

19991004.qrp v01_n598.qrl.991004

Date: Mon, 4 Oct 1999 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1598

QRP-L Digest 1598

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by Roger Hightower <n7kt@earthlink.net>
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- 9) [52135] Re: OT: Many thanks (OT: A personal accomplishment) - long
by Jim Durkin <jimdurkin@yahoo.com>
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by "Lawrence T. Owens" <w4dec@dibbs.net>
- 11) [52137] Stuff for sale
by Steve Hideg <Steve.Hideg.1@nd.edu>
- 12) [52138] NC20 Problem after AGC Mod
by Jeff Grudin <grudin@vdbbs.com>
- 13) [52139] ham class
by Tim Pettibone <k5oi@zianet.com>
- 14) [52140] Re: New End Fez Zepp results
by Monte Stark <ku7y@dri.edu>
- 15) [52141] Re: NC20 Problem after AGC Mod
by "Hugo Catta" <h.catta@worldnet.att.net>
- 16) [52142] RE: MFJ LOOP
by Adrian Weiss <aweiss@usd.edu>
- 17) [52143] Re: New End Fez Zepp results
by "The One and Only!" <mitch96@pobox.com>
- 18) [52144] 1998 Pacificon Compendium - almost free!
by Lee Hopper <leehop@uswest.net>
- 19) [52145] NC-20 Progress

by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
20) [52146] For Sale/Trade
by Ed Kessler <edkess@epix.net>
21) [52147] Query about Asian paddle source
by Pete Burbank <plburbank@kih.net>
22) [52148] Re: Ribbon Cable ladder line!!
by Niel Skousen <skousen@srv.net>
23) [52149] CA QSO Party - N2CQ/QRPP
by Ken Newman <N2CQ@citnet.com>
24) [52150] Re: 1998 Pacificon Compendium - almost free!
by Lee Hopper <leehop@uswest.net>
25) [52151] Baluns and High SWR
by Daniel Bartlett <ausham@rocknet.net.au>
26) [52152] Solder from holes
by mjfitz@uswest.net
27) [52153] NJ-QRP offers TT2 kit!
by "George Heron" <n2apb@erols.com>
28) [52154] Re: OT: Fluke 931AB Diff Voltmeter
by igeq100@iupui.edu
29) [52155] TT-2/MRX-40 progress
by sigcom@juno.com
30) [52156] Re: Norcal log books.....???
by Bob Patten <n4bp@bc.seflin.org>
31) [52157] Noises
by "Dave" <kd6kwm@mindspring.com>
32) [52158] RE: Baluns and High SWR
by "Tracy" <tracy@bytemark.com>
33) [52159] VARIABLE BALUN
by ARDUJENSKI@aol.com
34) [52160] Re: Signal Generator
by "Leon Heller" <leon_heller@hotmail.com>
35) [52161] Re: Query about Asian paddle source
by "Sly (9M8SL)" <cqsly@tm.net.my>
36) [52162] Re: `SLY as a FOX'
by "Sly (9M8SL)" <cqsly@tm.net.my>
37) [52163] Another strange signal
by Pete Burbank <plburbank@kih.net>
38) [52164] Re: Baluns and High SWR
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
39) [52165] Re: VARIABLE BALUN
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
40) [52166] Re: Solder from holes
by "Donny" <dsirait@centrin.net.id>
41) [52167] Re: NJ-QRP offers TT2 kit!
by "Donny" <dsirait@centrin.net.id>
42) [52168] Re: Solder from holes
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
43) [52169] Re: Another strange signal

by David Hinerman <dlh1009@ritvax.isc.rit.edu>
44) [52170] AH-100 Links
by Michael <moreth@ix.netcom.com>
45) [52171] Arkansas QRP Club website - NQ5RP
by Jim Hale <kj5tf@yahoo.com>
46) [52172] I was QRP before I was a ham!
by Jim Hale <kj5tf@yahoo.com>
47) [52173] RE: Solder from holes
by Dave Barrett <DBarrett@creo.com>
48) [52174] RE: Y2K - Taking Advantage
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
49) [52175] club call signs
by "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
50) [52176] Solder sucks
by "ai2q" <ai2q@ispchannel.com>
51) [52177] FS: 30M Station
by "Rod Cercone" <rlc@fii.com>
52) [52178] RE: Solder from holes
by Monte Stark <ku7y@dri.edu>
53) [52179] Re: Solder sucks
by "Tom Hybiske" <hybiske@generalatronics.com>
54) [52180] Re: Solder sucks
by "Mike Yetko" <myetko@insydesw.com>
55) [52181] Doublet Antenna(s)
by Karl.Kanalz@optelinc.com
56) [52182] Need Info on Feather Touch Key
by Maurice L Haynes <kv7g@juno.com>
57) [52183] Re: Ribbon Cable ladder line!!
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
58) [52184] Re: Solder sucks
by Monte Stark <ku7y@dri.edu>
59) [52185] Re: Solder sucks
by Monte Stark <ku7y@dri.edu>
60) [52186] Re: VARIABLE BALUN
by "John Moriarity" <k6qq@hdo.net>
61) [52187] MRX RX Source?
by Rod Cercone <rlc@fii.com>
62) [52188] QRP Fun Mon and Tuesday
by Joel Malman <malman@world.std.com>
63) [52189] Re: Solder sucks
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
64) [52190] OT Tall Antenna Tales
by Brian Short <bshort@speedchoice.com>
65) [52191] WTB: Unbuilt Wilderness NorCal 40A
by Rod Cercone <rlc@fii.com>
66) [52192] Re: Baluns and High SWR
by "Hugo Catta" <h.catta@worldnet.att.net>
67) [52193] Una-balun, Park setup

by tom whalen <wb5qyt@eFortress.com>
68) [52194] Re: QRP AM This Weekend
by Dean W Manley <kh6b@juno.com>
69) [52195] Stuff FS: QRP Rig, QRO Rig, 12V Power Pack, 6m Transverter
by "Jerry McCollom W0MC" <w0mc@hotmail.com>
70) [52196] MRX Receiver Availability
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
71) [52197] N7KSB Experimental Transmitter
by charles k brown <n4so@juno.com>
72) [52198] HTX-100 help
by Bigbob97@aol.com
73) [52199] NorCal Meeting Report
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
74) [52200] Exposed transistors
by "ai2q" <ai2q@ispchannel.com>
75) [52201] RE: Solder from holes
by "Steven Weber" <kd1jv@moose.ncia.net>
76) [52202] computer cable
by william h ross <k6mgo@juno.com>
77) [52203] Re: Solder suckers--Clarification
by "Tom Hybiske" <hybiske@generalatronics.com>
78) [52204] California QSO party results
by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
79) [52205] RE: Exposed transistors
by "Richard Hensel" <rrhensel@sprintmail.com>
80) [52206] Pacificon Speaker #2, Dick Pascoe, G0BPS
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
81) [52207] Re: ESD Solder suckers
by "Richard E. Robinson" <rerobins@email.uncc.edu>
82) [52208] FS: Unbuilt NC-20 Kit
by Frank Alwine <n1gpy@together.net>
83) [52209] Weights
by "Mark Hogan" <mhogan@email.msn.com>
84) [52210] TT2/MRX troubles
by Allan G Taylor <k7gt@arrl.net>
85) [52211] Spartan Sprint
by K10J <k10j@ditdit.com>
86) [52212] Re: Solder suckers/static
by wd4et@juno.com

Date: Sun, 03 Oct 1999 18:39:45 -0400
From: Michael C Boatright <ko4wx@mindspring.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [52127] NOGA Run for the Kudzu
Message-ID: <37F7DB31.CC0BD59B@mindspring.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Check out the story and photos on the NOGA QRP website...

<http://www.qsl.net/~nogaqrp>

72 de Mike, K04WX

--

Mike Boatright, K04WX
District EC, GEMA, Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man
contemplates it, bearing within him the image of a cathedral.
Antoine de Saint-Exupery

Date: Sun, 3 Oct 1999 19:03:25 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:mitch96@pobox.com" <mitch96@pobox.com>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [52128] Up grading and "spare" radios.
Message-ID: <199910031906_MC2-877B-2380@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline

Mitch:

Well I for one like the idea. And I have several monobanders at any given
time which I would gladly make available. Would be *glad* to help someone
get started fast. So.....count me in :-).

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
70511.3041@compuserve.com

Date: Sun, 03 Oct 1999 16:23:53 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: hansfam@midcoast.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52129] Re: Newbie SWR Question..
Message-ID: <37F78319.4491FD73@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Step One with any rig/antenna combination, is to tune for the best _received_ signal. That will get you into safe territory without applying any power. Then apply power and tune the transmitter. Of course, you should key down for only short periods just to be safe.

Using a visual indicator like the N7VE bridge helps, too.

--

73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Sun, 3 Oct 1999 19:44:24 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [52130] NEW VERTICAL AND DX
Message-ID: <76b51677.25294458@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Spent all weekend putting up my new (old) R-7 vertical which I bought off the internet a few weeks ago. Learned many new things this weekend. I live in the GRANITE state. I need to work out more, and how fast Quick cement does dry. Got the vertical up in the woods about 80 feet from the house, wife says she can still see it, ran the RG8X underground to the house and up to my shack. Put the coax on the Freq. counter and found out that the antenna is still tuned just where I wanted it. plugged it directly into my Wilderness SST-20 and turned it on. Flipped between the vert., Windom and G5RV,Jr. The vertical IS quieter, G5RV had lots of noise and the windom sounded about the same as the vertical. Heard a few CQ's and answered the weakest one I could find. Turns out it was someone I had talked to in the past /m to /m last year. Dwight (W9YQ). Had a nice chat and moved on. Also talked to GW3VLU in Wales. Guess the antenna is working. My last QSO was Bob, N4BV in VA. he hung in there while I tested out my hnew vertical. turns out that it is very close to the Windom, but a bit better.

Here's to lots of DX and many PELTS this year in the FOX Hunt.
Am now set for the winter with all the antennas I need. Hope they stay up in the snow.

Thanks for the bandwith

Aron Brown

N10DL/qrp

FISTS#4110

Date: Sun, 03 Oct 1999 16:54:21 -0700
From: Dave Fifield <fifield@pacbell.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52131] FET Replacement?
Message-ID: <003e01bf0dfa\$9d4393e0\$0100a8c0@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Anyone know what the characteristics of a Texas Instruments
SFC5756 FET are and what a good modern replacement might
be for it?

Thanks es 72,
Dave Fifield, AD6A

Date: Sun, 03 Oct 1999 19:55:16 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>, "njqrp@njqrp.org" <njqrp@njqrp.org>
Subject: [52132] Highmound MK-704
Message-ID: <37F7ECE4.7F4DC6BC@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Made a nice find at a local hamfest. A Highmound MK-704 Looking new in the box with all paperwork and including a price list from Meisel Music Inc. indicating that it sold new for \$29.99 (more than I paid for it) This is a very attractive key and it has a nice feel. It is desperately in need of a heavy base but that is easy to make. I think this is a discontinued model as I don't see it on the Morse-X site. I really like but but I'm sort of curious as to what its current value might really be.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Sun, 3 Oct 1999 18:59:19 -0500
From: "Kelly Ellison" <kelman@dialnet.net>
To: <QRP-L@Lehigh.edu>
Subject: [52133] Wilderness Sierra For Trade
Message-ID: <199910032359.SAA23930@dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi all,

I have a Wilderness Sierra with 6 band modules and KC2, and ABX filter that I would like to trade:

The Sierra is in excellent working order and like new in appearance. If somebody is interested in the Sierra, I would consider trading QRP related Items. Would Consider a analog Argosy with CW filter, An Argonaut 515, Argo 556, HF Handheld with CW or similar. Also would consider trading for a Hand Held "Wide Band Scanner" such as the Alinco DJ-X10T, Icom R10 or similar. If Interested, contact me direct at kelman@dialnet.net.

Thank you,

Kelly Ellison - WB0WQS
Aurora, Missouri
QRP-L #702

Date: Sun, 3 Oct 1999 19:30:41 -0400
From: k5xu@concentric.net
To: <qrp-l@lehigh.edu>
Subject: [52134] QRP AM This Weekend
Message-ID: <010301bf0df7\$71852e60\$214aadce@mike>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Friday, while traveling about 65 miles to my mom's home where my TA-33 JR and other antennas live, I put the KD1JV 11-2-10 rig in the car connected to a similarly converted RS mag mount antenna.

I was heard briefly by KH6CC, but faded before we could call it a qso.

With the rig connected to the beam yesterday, I made it to OR.

That's the first QRP AM qso since June when I caught some E skip contacts.

Okay, folks, dust off those converted rigs and let's make this year a good one!

72,

Mike Duke, K5XU, president,
Mississippi Council of the Blind

Date: Sun, 3 Oct 1999 17:38:50 -0700 (PDT)
From: Jim Durkin <jimdurkin@yahoo.com>
To: w2bvh@home.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52135] Re: OT: Many thanks (OT: A personal accomplishment) - long
Message-ID: <19991004003850.4828.rocketmail@web305.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Lenny,
Congratulations on a great mover.
BTW there is a move on this list to see surplus rigs
at reduced prices to hams who have upgraded. You
should be eligible 8-).

73

Jim kt4a.

--- lenny wintfeld <w2bvh@home.com> wrote:
> Hi!
>

> Thanks to everyone on the list for your good wishes
> and encouragement!
> I almost never "toot my horn" but passing these
> tests somehow struck me
> as something worth celebrating.
>
> I've saved just about all the replies to my post,
> to use as a resource.
> I hope to be on the air in a few weeks (maybe a
> month) and would love to
> contact those who offered QSOs and code practice.
> Many of the replies
> offered advice (quite varied) on which rigs are
> worth getting, along
> with URLs for sites offering the kits. Looks like I
> should take a some
> time and do research on them.
>
> Just to fill you in on my near term plans: I have
> my last rig
> (Hallicrafters) from the '60's, and if the
> electrolytics in the power
> supplies don't blow up (or have not dried up), and
> if the phase shift
> caps have not changed value too severely, I will
> use it. (It's been
> passed around to family and friends over the years
> and has only been in
> dead storage for about 6-8 years so there's a good
> chance it will work).
> BTW even in the '60s rigs had drive level controls
> & could be run qrp.
>
> I expect this rig to be a stopgap, even if it does
> work. It's simply
> too big for the space I have. A smaller, more modern
> set seems in order
> (that's what got me to the GSARA hamfest to begin
> with).
>
> Lastly, the hardest part of getting an antenna up
> is done - meaning the
> part where I climb a 30' ladder that shakes like a
> wet noodle to put an
> eye-hook and pulley into the gable end of the house.
> I'm now in the
> middle of building the "non-tuner" portion of
> W6RCA's antenna design

> (see <http://people.delphi.com/cecilmoore/mystery.htm>
> for details).
>
> So maybe in November you'll be hearing from me
> "live" on the air. We'll
> see how the old rig, the new antenna and the "old"
> op all work.
>
> From there -- onward and upward. I hope.
>
> Thanks again for your good wishes and advice,
>
> Lenny, W2BVH
>

=====

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Sun, 03 Oct 1999 19:46:26 -0500
From: "Lawrence T. Owens" <w4dec@dibbs.net>
To: qrp-1@Lehigh.EDU
Subject: [52136] Great Ears In California:
Message-ID: <37F7F8E1.34E@dibbs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Gang.

Those guys in California have great ears. Worked the California QSO party this weekend. Made 200 QSOs. 108 on CW of which all but one QSO was at 100mw or less. I noticed that my K2 had drifted down to 50mw a couple of times.

18 on 20 meters.

40 on 15 meters.

50 on 10 meters. My first QSO on 10 mtrs was at 3 watts.

Had 92 QSOS on SSB at less than 5 Watts. On 10 meters was only getting out about 2 Watts.

SSB QSOs

5 on 20 meters.

30 on 15 meters.

57 on 10 meters.

The Elecraft K2 was used for all CW operation. This rig is great for CW contesting.

The Ten-Tec Argosy was used for all SSB operation In the low power 5 watt position. This rig is fairly old so I don't seem to be getting the full 5 watts on all bands in the low power position any more.

The antenna is a cushcraft A4S at 70 feet, and is fed with 140 ft of RG 213 feed line. The OAK Hills WM2 was used to set the power.

Just shows what can be done with a small amount of power and good ears on the other end. There was only about ten or twelve times that I had to repeat anything and most stations were caught on the first call. Just some more QRP milliwatt fun at the California QSO Party.

72 to all

Larry (W4DEC) IN Alabama

Date: Sun, 3 Oct 1999 19:49:16 -0500
From: Steve Hideg <Steve.Hideg.1@nd.edu>
To: qrp-1@lehigh.edu
Subject: [52137] Stuff for sale
Message-ID: <v04210101b41da7bca0d9@[192.168.1.1]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

I have some ham radio equipment for sale, including some unbuilt QRP kits.

All prices are negotiable.

Check out: <<http://aegis.cc.nd.edu/shideg/sale/>>

Universal Free-standing Tower \$600
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#tower](http://aegis.cc.nd.edu/shideg/sale/index.html#tower)>

Cushcraft Triband Beam \$100
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#beam](http://aegis.cc.nd.edu/shideg/sale/index.html#beam)>

7/8 Hardline \$250
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#hardline](http://aegis.cc.nd.edu/shideg/sale/index.html#hardline)>

3/8 Hardline \$50
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#38hardline](http://aegis.cc.nd.edu/shideg/sale/index.html#38hardline)>

Timewave DSP-599zx DSP Audio Filter \$250 (deal is already in the making)
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#599zx](http://aegis.cc.nd.edu/shideg/sale/index.html#599zx)>

Alinco 2m Linear Amplifier \$75
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#amp](http://aegis.cc.nd.edu/shideg/sale/index.html#amp)>

MFJ VersaTuner II MFJ-944 \$20
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#tuner](http://aegis.cc.nd.edu/shideg/sale/index.html#tuner)>

Heavy-gauge Copper Wire \$25
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#copper](http://aegis.cc.nd.edu/shideg/sale/index.html#copper)>

Frequency Counter \$25
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#counter](http://aegis.cc.nd.edu/shideg/sale/index.html#counter)>

MFJ Rx Noise Bridge \$15
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#bridge](http://aegis.cc.nd.edu/shideg/sale/index.html#bridge)>

Mobile UHF Duplexer \$30
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#smdup](http://aegis.cc.nd.edu/shideg/sale/index.html#smdup)>

Saint Louis Tuner Kit (unbuilt) \$50
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#slt](http://aegis.cc.nd.edu/shideg/sale/index.html#slt)>

Radio Shack SWR/Power Meter \$5
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#swr](http://aegis.cc.nd.edu/shideg/sale/index.html#swr)>

Santec UHF HT \$75
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#santec](http://aegis.cc.nd.edu/shideg/sale/index.html#santec)>

Communications Specialists TS-32P CTSS Board \$15
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#ts32a](http://aegis.cc.nd.edu/shideg/sale/index.html#ts32a)>

Communications Specialists TS-32P CTSS Board \$20
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#ts32b](http://aegis.cc.nd.edu/shideg/sale/index.html#ts32b)>

NE 40-40 QRP Transceiver Kit (unbuilt) \$50
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#4040](http://aegis.cc.nd.edu/shideg/sale/index.html#4040)>

OHR WM-1 QRP Wattmeter Kit (unbuilt) \$50
<[HTTP://aegis.cc.nd.edu/shideg/sale/index.html#WM1](http://aegis.cc.nd.edu/shideg/sale/index.html#WM1)>

All prices are negotiable.

Thanks!

++Steve, N8HSC

Date: Sun, 03 Oct 1999 17:55:29 -0700
From: Jeff Grudin <grudin@vdbbs.com>
To: qrp-1@lehigh.edu
Subject: [52138] NC20 Problem after AGC Mod
Message-ID: <37F7FB01.D53E8D42@vdbbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Has anyone experienced low audio after doing the AGC Mod on the RHR page. I did the mod 2 weeks ago. I had normal audio prior to the mod, and very reduced audio after it. I wanted to use the rig for the CA QSO Pty, but unfortunately was unable to. Note to self: "Never improve things before you need them."

I do not have normal voltages to know what to expect, and have been unable to fix the problem.

Does anyone have any ideas?

Thanks.

--

73 de AC6KW <mailto:grudin@vdbbs.com>
Jeff Grudin, DVM Web Add: <http://www.vdbbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Sun, 3 Oct 1999 19:12:49 -0600
From: Tim Pettibone <k5oi@zianet.com>
To: qrp-1@lehigh.edu
Subject: [52139] ham class
Message-ID: <01124985931480@zianet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I know some of you might get tired of this but the MVRC (Mesilla Valley Radio Club) held another weekend no-code technician class. We had 16 sign up, 11 passed both the 2 and 3a elements (for the tech license), 3 others passed the novice element (2), and 2 failed both elements (by slim margins). Tech passage rate = 69% and tech/novice passage rate = 81%. There were 2 14 year olds, and 2 over 70 (one 10 days short of his 90th birthday!), and 5 yls. Results weren't as good as last time when we passed 15 out of 15 but not bad either. Instructors worked hard as did the students. We have 10 of the 16 that have asked for our weekend CW class (had 100% passage last

time). The lead instructor, WF5A, and myself are QRPers so we pushed QRP whenever we could. Had an HF demo while waiting for the VE results. Karl, WF5A, set up his Kenwood TS50, and an Outbacker mobile antenna mounted on the trailer hitch of his Ford Ranger pickup. Two calls and Karl worked the Ukraine and Italy on 15m - pretty impressive!

After 2 years of heading up this activity, I'm giving it up. It's been fun and we have more hams than before, but it's time to get somebody else involved. What are you doing to promote new hams (QRP and others) in your area?

Tim K5OI
QRP-L # 73
Las Cruces, NM

p.s. I'd be happy to share with you our approach, how we organize the materials, etc. if you are interested. Basically we use the ARRL video tapes, segments reordered, along with ARRL questions items from the pool. I know that there are those that disagree with a weekend class whose sole purpose is to get students to pass the exam, but that's what we do, unashamedly!!

Date: Sun, 3 Oct 1999 18:30:47 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: wa8rxi@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52140] Re: New End Fez Zepp results
Message-ID: <Pine.GS0.4.10.9910031829040.2292-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> =====
>
> I've always wondered, Is a Center Fed Zepp considered a dipole or a
> doublet ?? :-}

That all depends on if the doublet has brothers or sisters....unless
of course it has twins, in which case it would be a triplet!

;-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sun, 3 Oct 1999 21:48:09 -0400
From: "Hugo Catta" <h.catta@worldnet.att.net>
To: <grudin@vdbbs.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52141] Re: NC20 Problem after AGC Mod
Message-ID: <004f01bf0e0a\$837f8ee0\$e7da4e0c@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Jeff Grudin <grudin@vdbbs.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, October 03, 1999 8:55 PM
Subject: NC20 Problem after AGC Mod

> Has anyone experienced low audio after doing the AGC Mod on the RHR
> page. I did the mod 2 weeks ago. I had normal audio prior to the mod,
> and very reduced audio after it

....snip.....

Did you finish the TX part?
If you didn't, you'll get some wrong AGC voltage, (from the top of my
head..... I don't have the schematics with me).
When the TX part is done, you'll notice that is alive.
If you don't get any other response, (unlikely), I'll be able to check it
tomorrow. Let me know.
Don't despair.

72
Hugo
CX9AAK/W2

: -)

.... snip.....

#351 AR Qrp #131

Date: Sun, 3 Oct 1999 20:58:40 -0500 (CDT)
From: Adrian Weiss <aweiss@usd.edu>
To: qrp-1@lehigh.edu
Subject: [52142] RE: MFJ LOOP
Message-ID: <Pine.SOL.4.03.9910032040050.17651-1000000@sunburst.usd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang:

A couple of weeks ago someone wanted to know about the MFJ1786 loop. I was glancing thru the Aug 1994 QST, p 62-64 and ran across a report.

[while I was reading thru it, I was tuning across 30m w. my right hand and found a weak sig -- turned out to be the first VQ9 I ever heard -- of course, he explained that he had to go to work and 73 to all -- wouldn't have gotten him anyhow:(
]

NT0Z did the report. Control voltages from the impressive control box go up the coax to the loop. Very sharp tuning -- helped by listening to noise/signals. Operates 30m-10m continuous tuning. Bandwidth quite narrow (what do you want for a 3-ft loop?):

10.1mHz	2:1 SWR bandwidth = +/-8kHz
14mHz	= +/-25kHz
28mhz	+/-150kHz.

Narrow bandwidth "acts like a preselector, virtually preventing the rx from hearing any off-frequency sigs."

Testing on the air was against a fullwave 40m loop 25-ft up!!! This is a BIG antenna on the bands tested = 30m, 20m, 15m. As Kirk said, "I stacked the deck against the miniloop" by using a fullwave 40m loop as the comparison antenna! You can say that again! The on-air tests performed with the MFJ up in the attic at 40-ft above ground. Operation was at 20w or less -- which answers the question of how it will do with QRP.

"During the two week of casual operating and SWLing, on 90% of the signals I heard and the stations I worked, signals on the loop were as strong as signals of the big outdoor loop, or within one S-unit (-6dB usually). Every now and then a signal on the

mini loop would be dramatically weaker - up to 15 S-units -- and sometimes sigs on the miniloop were a smidgen stronger than on the outdoor loop.

In my book, being an S-unit down from a full-size outdoor loop is high performance indeed! Remember, this is a 143-ft outdoor loop battling with a 3-ft indoor loop! I was impressed, and so were the ops I worked who listened for my back-and-forth comparisons.

I worked dozens of stations stateside and overseas with 20w or less. I worked EUs w. 5w and a VK on 30m with 20w [this is impressive!]. It was easy [right!]. I couldn't tell that I was using a "compromise antenna" the minilooper is a real scrapper."

Well that's the stuff that will answer the questions. He also operated it hung at 15-ft outside, said it was easier to tune, but didn't comment about results.

\$299, \$270 for the cheaper model which only lacks the "band-beeper" feature.

Sounds like he was totally impressed. Sounds like all the on-air comparison guys were too. So, I am as well.

Can't shell out the \$300. Then again, that copper-tubing loop that was at Dayton in May was a beauty and should work just as well as the mfj -- but I could never build the differential motor-driven tuning capacitor etc -- a work of art and it tuned quite easily. I don't remember if anyone worked any stns with it -- solar flare blew the bands.

At any rate, for what its worth.

72, ADe

Date: Sun, 03 Oct 1999 22:12:02 -0400
From: "The One and Only!" <mitch96@pobox.com>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52143] Re: New End Fez Zepp results
Message-ID: <37F80CF2.C559B447@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Monte Stark wrote:

> That all depends on if the doublet has brothers or sisters....unless
> of course it has twins, in which case it would be a triplet!

HOT DAMN!! A new thread!!

--

73, mitch ww4ml

lost in the ethers again..

Date: Sun, 03 Oct 1999 19:27:34 -0700

From: Lee Hopper <leehop@uswest.net>

To: qrp-1@Lehigh.EDU

Subject: [52144] 1998 Pacificon Compendium - almost free!

Message-ID: <37F81096.6E8D56AE@pop.ptld.uswest.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I have last year's Pacificon Compendium which is excess to my needs. I'd be willing to send it to someone who wants it for mailing costs. Please reply off the list.

PS: It was a gas being there - do it if you can.

--

Lee Hopper {}{}{}{}
kd7ctf@arrl.net (0)(0)
Portland, OR, USA ~~

Date: Sun, 03 Oct 1999 22:36:21 -0400

From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>

To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, "njqrp@njqrp.org" <njqrp@njqrp.org>

Subject: [52145] NC-20 Progress

Message-ID: <37F812A5.33CF9395@home.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well I am finally all done up through the ACG stage with all the popular mods. I tried Larry East's AGC Voltage drift mod but couldn't get the

AGC voltage up to Dave's recommended 8 Volts even when I dropped R63 down below 200 ohms so I tabled that change until I get more bench time with the rig after it is fully built. Down in the basement with a short antenna I didn't hear much on the receiver but when I brought it up to the shack and put a good antenna on it the band came alive. Adjusting the receiver was easy during the California QSO party!!! This is a very nice reciever. When there are no signals it is so quiet at first I wondered if I built it right. But in the presence of CW it comes alive. I've got a busy week at work but then I have a long weekend (Thanks Chris Columbus) I hope to have things finished up and working real soon. Then I need to hang a hamstick on my car so I can start making QSO's during my lunch breaks.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Sun, 03 Oct 1999 23:02:14 -0400
From: Ed Kessler <edkess@epix.net>
To: qrp-1@Lehigh.EDU
Subject: [52146] For Sale/Trade
Message-ID: <37F818B6.AD26A1C0@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Have an Idiom Press Keyer Model K-3, factory built, hardly used, that I would like to trade for QRP gear, use as a part of a purchase for a Sierra, or sell by itself. \$100 obo Let me know what you have to trade.

Ed, AA3SJ

Date: Sun, 03 Oct 1999 23:19:38 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [52147] Query about Asian paddle source

Message-ID: <3.0.32.19991003231934.00684e5c@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

I have a brother who is in Malaysia and I'm trying to get him on CW. Shipping stuff from the states is incredibly expensive. I have his K1EL keyer ready to ship so all he needs are a good set of paddles.

Is there a good set available near where he is?

I'm sure such things are manufactured there.(they seem to make everything else).

73 Pete NV4V

Date: Sun, 3 Oct 1999 21:24:38 -0600
From: Niel Skousen <skousen@srv.net>
To: ki6ds@dpol.k12.ca.us (Hendricks, Doug), qrp-1@lehigh.edu
Subject: [52148] Re: Ribbon Cable ladder line!!
Message-ID: <v04003a03b41dcacfa817@[12.7.221.35]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Doug and all...

Keep me posted on your results. Do be sure and pull out the center conductors AND the insulation. Not only would you see capacitance effects from the wire but you'll not gain the loss reduction of eliminating the dielectric losses unless you remove the insulation in the window too...

And yes, I'll get some data on 10' ribbon-ladder one night this week at the TDR.

If someone on the list has a 10' piece of real 300 or 450 ladderline they'll send me, I'll include that in the tests too... I just don't have any around - sri

Will scrounge this week for pieces but looks like the test will be

2 conductor ribbon
2 conductor ribbon ladder line (4 wire wide window)
zip cord
Tv 300ohm twinlead (not foam...)
rg174
Rg178 (teflon 174, will give an interesting comparison ...)
rg8x
rg9913

Type 800 CATV hardline (got some =8-)

Data to be Zo, rho, vel% and perhaps some supporting calc's. I'll put it into an Excel spreadsheet for those interested... This will not all be done this week, I'm notoriously overcommitted...just ask my boss, no wait Don't ask the boss or the XYL ;-)

72 es tx
gl
Niel

>
>Niel, how about making a 10 foot piece of this ladder line and doing some
>testing on it. What is the impedance? What is the loss in 10 ft. compared
>to:
>
>2 conductors alone, side by side (from ribbon cable)
>RG174
>RG58
>RG8X
>RG8
>300 ohm ladder line
>450 ohm ladder line
>light gauge TV 300 ohm twinlead
>heavy duty foam insulated 300 ohm twin lead
>common zip cord
>
>Anyone else want to do some measurement and report back to the group. Ok,
>gotta get back to kitting toroids. Have 200 kits done, and will deliver
>that many for sure to Jim tomorrow at the NorCal meeting, the goal is to
>have 300 done, and looks like I'll reach that easily.
>
>72, Doug

Niel Skousen : WA7SSA skousen@srv.net
Idaho Falls, ID QRP-L.119 fr DN33wm

Date: Sun, 03 Oct 1999 23:23:46 -0400
From: Ken Newman <N2CQ@citnet.com>
To: epaqrp-1@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [52149] CA QSO Party - N2CQ/QRPP
Message-ID: <3.0.6.32.19991003232346.008cf210@mail.citnet.com>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Lots of good operators listening for weak stations. [Several aren't!].
I'm glad to see the Northern California Contest Club have heard of QRP
and include it in the contest. TNX!

CALIFORNIA QSO PARTY

Call used: N2CQ Location: NJ

Category: QRP Mode: CW Power: 0.9W

Callsign of Operator: N2CQ

Exchanged Information: N2CQ nr NJ

Hours of Operation: 02:25

band	CW QSOs	CW pts	Ph QSOs	Ph pts
160	0	0	0	0
80	0	0	0	0
40	0	0	0	0
20	0	0	0	0
15	33	99	0	0
10	0	0	0	0
144	0	0	0	0
TOTAL	33	99	0	0

(99) QSO points X (28) Multipliers = 2,772 points

Club or Team Name: NJ QRP Club

Equipment: Small Wonder Labs - Green Mountain 15 900 MW
TA33jr up 40'

72 de
Ken Newman - N2CQ
Woodbury, NJ
N2CQ@ARRL.NET

~~~QRP Contest Calendar~~~  
<http://www.njqrp.org/data/contesting.html>

~~~ NJ QRP Club Callsign ~~~  
WQ2RP

Date: Sun, 03 Oct 1999 20:40:15 -0700
From: Lee Hopper <leehop@uswest.net>
To: qrp-l@Lehigh.EDU
Subject: [52150] Re: 1998 Pacificon Compendium - almost free!
Message-ID: <37F8219F.C7E04475@pop.ptld.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Compendium has been spoken for - thanks for the replys.

=====

| | |
|-------------------|---------|
| Lee Hopper | }}}}{}} |
| kd7ctf@arrl.net | (0)(0) |
| Portland, OR, USA | ~~ |

Date: Mon, 04 Oct 1999 14:36:55 +1000
From: Daniel Bartlett <ausham@rocknet.net.au>
To: qrp-l@lehigh.edu
Subject: [52151] Baluns and High SWR
Message-ID: <3.0.5.32.19991004143655.00806ec0@rocknet.net.au>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

G'day All,

Recently, I read in an old radio theory book (can't remember which one...), that baluns may worsen the SWR in an antenna system if used when the SWR is already very high. Can anyone enlighten me on why this is so?

Thanks, Dan.
73 es 72 de Daniel Bartlett, VK4HDB
<http://www.qsl.net/vk4hdb/index.htm>

ausham@rocknet.net.au
Founder of ARPR Australia - <http://arpr.8m.com>
1 Goodson Rd, Bouldercombe, Queensland 4702, AUSTRALIA
+61 07 4934 0389
QRP-L #2002

Date: Sun, 03 Oct 1999 23:51:29 -0500
From: mjfitz@uswest.net
To: QRP-L Posts <qrp-l@LEHIGH.EDU>
Subject: [52152] Solder from holes
Message-ID: <37F83251.3D217A73@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey!

I never see anyone mention a method I use to remove solder from PCB holes... I use solder wick in the normal way, except that I invert the board while holding the wick to the hole with the iron tip and let the molten solder drain (gravity you know) out of the hole and into the wick. There's gotta be a lot of people that do this...Sometimes I even quickly add a little solder to start with so it has some extra flux and will conduct heat and flow better. Always works for me...

Mike NOMF

Date: Mon, 4 Oct 1999 01:23:49 -0500
From: "George Heron" <n2apb@erols.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Cc: "NJQRP" <NJQRP@njqrp.org>
Subject: [52153] NJ-QRP offers TT2 kit!
Message-ID: <01be01bf0e31\$081455c0\$ed9daccf@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That's right, the popular "Tuna Tin 2" 40m QRPP transmitter featured on the NorCal and Jersey QRP websites is now being offered as an inexpensive kit by the Jersey QRP Club.

Doug Hendricks, KI6DS and I have been talking about ways to provide QRPers all around the world with a very low-cost way to join in the TT2 excitement and events happening this Fall season. And this TT2 Kit is an ideal way to share our clubs' expertises, talents and interests in order to provide us QRPers with an easy way to have some real fun on the air within a couple of weeks.

The MRX40 & TT2 building contest at Pacificon happening two weekends from now will put a whole bunch of TT2's on the air, as will the ARRL-sponsored "Black Cat" event on Halloween and the NorCal "Zombie Shuffle" event that same weekend. Imagine the fun of a TT2-to-TT2 contact!

Okay, here's the deal: The Jersey QRP Club is now opening up the ordering for the Tuna Tin 2 Kits, which contains the pc board, all pcb-mounted parts, and the assembly/instruction manual for \$10 + \$2 domestic shipping (\$4 shipping DX). All you need to do to complete your transmitter is add some phono connectors and a switch (both easily available at your local Radio Shack), and a can of tuna from your local grocer to serve as the enclosure. (You knew that this is the *original* TT2 project, with a round pc board just like the photos show, right?!)

Ordering info:

Send check or M.O. (in US funds, written against a major US bank) made out to "George Heron, N2APB" and send to:

George Heron, N2APB
Jersey QRP Club
2419 Feather Mae Ct
Forest Hill, MD 21050

Information on the TT2 can be found on the Jersey QRP website (<http://www.njqrp.org/tuna/tuna.html>) and the NorCal website (<http://www.fix.net/~jparkernorcal/tunatin2/tunatin.htm>). The full articles, original Doug DeMaw article excerpts, schematics, parts layout and CAD files are at both sites, just as they have been for nearly a year. But now, we'll have a nice kit based around the design, with the permission and cooperation of the NorCal QRP Club and Dave Meacham, W6EMD, who provided updated parts and analysis.

What a simple and inexpensive way to join in the fun of TT2 building and operating! The Jersey QRP Club is pleased to be able to provide the TT2 Kit for the benefit of all QRPers, as well as to help defray some of the (rather large)

expenses in putting on the Atlanticon QRP Forum in the springtime. (An incredible Atlanticon 2000 is being arranged for a Philadelphia venue at the end of March. Speakers, door prizes, compendiums for the entire QRP community, surprise events: what a time is being planned! ... but that's another posting :-)

Don't forget to order your TT2 Kits asap in preparation for the October operating events!

72, George N2APB
n2apb@amsat.org
for the NJ-QRP Club at <http://www.njqrp.org>

Date: Mon, 4 Oct 1999 00:09:20 -0500 (EST)
From: igeq100@iupui.edu
To: Michael Melland <badger@vbe.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52154] Re: OT: Fluke 931AB Diff Voltmeter
Message-ID: <Pine.HPP.3.96.991004000522.23670C-1000000@ruby.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Michael -

The sound you hear is probably from an electromechanical chopper - this is a vibrating switch that "chops" the incoming DC into an alternating-polarity waveform that can be handled by an AC amplifier. In some cases, the chopper is also used to "rebuild" the amplified AC signal into a DC replica of the input signal. As you have found out, there are some impressive instruments dating from that era.

Good luck with it!

73,

Richard Meiss, WB9LPU

Date: Sun, 3 Oct 1999 22:08:08 -0700
From: sigcom@juno.com
To: qrp-l@Lehigh.EDU

Subject: [52155] TT-2/MRX-40 progress
Message-ID: <19991003.220817.-71301.6.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Got the boards stuffed this weekend and powered up, no smoke :-).

Got about 250 mW out before using devious means to increase output of the TT to 450 mW. I am amazed that the single 2222 will take that but, incredibly, it doesn't get past barely warm even after a minute and a half key down. I was going to put a heat sink on it, but not necessary. Checked the output on the spectrum analyser: Big problems. 2nd harmonic = -10 db, 3rd harmonic -20 db. Stayed the same when returned to 'stock' at 250 mW. I'll have to look into that.

Has anyone out there measured a bone stock NorCal TT-2 for spectral purity? I'd like to know what you found -before- any mod's..

Receiver: Used a 1N4003 and the stock 15uH choke. Didn't get much swing, maybe 2 kHz. Tried a couple of 'real' varicaps I had laying around on the work bench, forget it. I even tried using a 2N3904 ala Doug DeMaw's tip ("Doug's Desk, CQ Magazine, November 1996, pg. 68), phppt. Tried three 10 uH chokes in series, a little better. Put in a single 33 uH, better yet. Then changed the diode to a 1N4007 and that got me about +/- 2.6 kHz swing from 7.040 (5.2 kHz), satisfactory. Even with that swing, the VX0 is rock stable (sorry). It's amazing to me how well power diodes work as high capacity varicaps. The one I picked is very linear over the pot range and it put the VX0 right at 7.040 in the center of the pot range. Other 4007s had about the same range, but shifted the center freq.. MDS is about -100 dbm so I'm going to play around with squeezing some more gain out of it.

That's it for now.

73.....Steve, WB6TNL

Get the Internet just the way you want it.
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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 4 Oct 1999 01:14:08 -0400 (EDT)

From: Bob Patten <n4bp@bc.seflin.org>
To: wa8rxi@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52156] Re: Norcal log books.....???
Message-ID: <Pine.3.89.9910040159.A18260-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 3 Oct 1999 wa8rxi@juno.com wrote:

>
> How about a Steno pad. It's small enuff and is two sided.
> A pencil and ruler and you can lay it out any way you like.
> Just a thought...
>
Works for me. I keep a rubber band around it to keep the pages from
flopping around.

73,

Bob Patten, N4BP (0 0) Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Sun, 3 Oct 1999 23:01:39 -0700
From: "Dave" <kd6kwm@mindspring.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [52157] Noises
Message-ID: <000901bf0e2d\$fced71c0\$42c0aec7@Dave>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Only Australians blame the Brits (pommies)

> > (Anyone have the FLAT EARTH SOCIETY web page URL? I
> > want to join)! :-)
> >
> > Oh, yes. Let's meet the Flintstones... :-)

> Boom! Boom!

I thought it was "BAM! BAM!"?... (Showing my age....)

Can't wait for Pacificon / NorCal QRP. Counting the days!

I'll (most likley) be bring a "project" to show. Am entering it under the "UGH!

You've got to be joking" catagory.. Well Vern MMA did say at the Livermoore swap today "that QRP'ers have a sense of humor".

BTW - Vern's brought out a VERY cool micro SLV today at the Norcal meeting. (Just as my ride was leaving. NUTS!) Hope he brings it to Pacificon.

Dave Willey - KD6KWM

Date: Mon, 4 Oct 1999 02:00:59 -0400
From: "Tracy" <tracy@bytemark.com>
To: <ausham@rocknet.net.au>
Cc: "QRP-L" <qrp-l@lehigh.EDU>
Subject: [52158] RE: Baluns and High SWR
Message-ID: <NCBBICHAOKICOGKID00GGGEAICPAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's really pretty simple if you consider what a 'balun' is - a BALanced to UNbalanced transmission line transformer.

Note the Transmission Line part of the transformer.

In order to transform one impedance to another, the transmission line(s) involved in the transformer must be cut to a particular impedance themselves, ohm 's law does the real work.

If the transformer is designed to transform 50 to 200 ohms, in a utopian situation you will feed it with a 50 ohm source and terminate it with a 200 ohm load. If the source is not 50 ohms, or the load is not 200 ohms, then your 'swr' meter will measure reflected power.

This is why so many home-brew baluns are very inefficient. If you are going to build a transmission line transformer you must be able to predict and control the impedance of the transmission line. (A 'transmission line transformer' does not mean it's a transformer for transmission lines, it

means it is a transformer made out of a transmission line ...) The spacing of the conductors determines the impedance of the transmission line in a transmission line transformer.

SO, *WHY* the swr is high in a particular antenna system will determine if a balun will help and which balun (or UNUN) to choose. For instance, if you are using a rig that wants a 50 ohm load, and your antenna has a 100 ohm feed point impedance, and if that antenna is a balanced type antenna, then you would use a 1:2 balun. If it were an unbalanced antenna such as a vertical, then you would use a 1:2 unun. I use a 1:1.5 balun to feed my end-fed quarter wave half-sloper, which has about a 72 ohm impedance. Without the balun, 'swr' is about 2:1, with it the 'swr' is about 1.3:1. I like that. My beam uses a 4:1 balun to transform 50 ohms to 12.5 ohms ... etc.

Tracy Markham
ByteMark
Qrp-l #1453

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Daniel Bartlett
Sent: Monday, October 04, 1999 12:37 AM
To: Low Power Amateur Radio Discussion
Subject: Baluns and High SWR

G'day All,

Recently, I read in an old radio theory book (can't remember which one...), that baluns may worsen the SWR in an antenna system if used when the SWR is already very high. Can anyone enlighten me on why this is so?

Thanks, Dan.
73 es 72 de Daniel Bartlett, VK4HDB
<http://www.qsl.net/vk4hdb/index.htm>
ausham@rocknet.net.au
Founder of ARPR Australia - <http://arpr.8m.com>
1 Goodson Rd, Bouldercombe, Queensland 4702, AUSTRALIA
+61 07 4934 0389
QRP-L #2002

Date: Mon, 4 Oct 1999 02:42:27 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu

Subject: [52159] VARIABLE BALUN
Message-ID: <79d575da.2529a653@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Please excuse my ignorance and inexperience but reading the BALUN threads over the past several months lead me to wonder why there is no variable baluns available for good match and low losses?

In reviewing information on some crystal radios several months ago I noticed the use of the VARIOMETER in lieu of rotory or tapped inductor. (A VARIOMETER is , well think of a short cylindrical coil of wire that can turn on an axis inside another cylindrical coil that is fixed).

It appears that this could be used as a balun arrangement that was variable. Or is the balun a bit more complicated than that?

ANTENNA TUNER: Could the VARIOMETER be employed as a variable inductor in an antenna tuner arrangement?

I am eager to drink from this font of wisdom...Thanks in advance for your feedback. Alan KB7MBI

Date: Mon, 04 Oct 1999 00:08:20 PDT
From: "Leon Heller" <leon_heller@hotmail.com>
To: tedw@btinternet.com, qrp-1@Lehigh.EDU
Subject: [52160] Re: Signal Generator
Message-ID: <19991004070821.25894.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Ted Williams" <tedw@btinternet.com>
>Reply-To: tedw@btinternet.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Signal Generator
>Date: Sun, 3 Oct 1999 12:40:40 +0100
>
>I've seen at thread which talks about the design of a signal generator.
>Before embarking on such a project it is vital to say what it is for.
>
>For receiver calibration, the normal use for a signal generator, it is
>necessary to have a signal free of close-in spurious signals, so a

> synthesised signal, in my view, is not suitable.
> A free-running oscillator is probably the best bet, where the harmonics are
> naturally well out of the receiver passband.
>
> If harmonics are a problem, an octave filter is an easy thing to design.
>
> On the other hand, an accurate signal level followed by an accurate
> attenuator is an absolute MUST for this application.

Very low signal leakage is also important. Commercial signal generators seem to use triple screening, with *lots* of filtering on the DC cables.

73, Leon

Leon Heller, G1HSM
Tel (work): +44 1327 357824
Tel (mobile): +44 79 9098 1221
Email: leon_heller@hotmail.com
Web page: <http://www.geocities.com/SiliconValley/Code/1835>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 4 Oct 1999 15:35:30 +0800
From: "Sly (9M8SL)" <cqsly@tm.net.my>
To: plburbank@kih.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52161] Re: Query about Asian paddle source
Message-ID: <19991004073530.IADJ581@User>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Pete,

I am in East Malaysia, guess its pretty close to ur brother !!!
I recommend the Whiterook paddle MK44 (hope the model no. is correct), which I have and is still using. It is small, cheap and vy light. After p&p, it is still the cheapest key I can get here...much cheaper than any Japanese models found in Singapore. The postage is reasonable for it to be shipped air mail to Malaysia, less then US\$7...I think, can't remember exactly. Here is a suggestion: if u bought it state-side and shipped it yourself, then u could just declare it as a gift for ur brother and states that it as of no

monetary value, then he does not pay any tax or VAT here. Hope that helps...

Vy 73 de Sylvester (Sly) Liew, 9M8SL
from 'The Hidden Paradise of Borneo'

At 11:19 PM 10/3/99 -0400, you wrote:

>Gang,
>I have a brother who is in Malaysia and I'm trying to get him
>on CW. Shipping stuff from the states is incredibly expensive.
>I have his K1EL keyer ready to ship so all he needs are a good
>set of paddles.
>Is there a good set available near where he is?
>I'm sure such things are manufactured there.(they seem to make
>everything else).
>73 Pete NV4V
>

Date: Mon, 4 Oct 1999 15:37:07 +0800
From: "Sly (9M8SL)" <cqsly@tm.net.my>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52162] Re: 'SLY as a FOX'
Message-ID: <19991004073707.IAJN581@User>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,

Was on cw several times calling cq on 20/15 meters, but didn't hear any state-side stations. Sorry Ken, was not able to be on during ur recommended dx window time of around 14:00z. I was dragged to the beach by some guys to have 'six packs', hee hee... None were interested in ham radio then !!!

I guess the small delta loop at the beach was not radiating well or hasn't enough gain to make it to the states. I'll try the next round with our club station Explorer 14 tribander on top of the 13th floor Holiday Inn Kuching at abt 120 feet. That should do it, I hope...

Will most certainly inform u guys/gals when I am up there. Stay tuned...

72/73 de Sly, 9M8SL
from 'The Hidden Paradise of Borneo' in East Malaysia.

Date: Mon, 04 Oct 1999 03:57:01 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [52163] Another strange signal
Message-ID: <3.0.32.19991004035657.00728730@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wow! This one really weirded me out...0317 EDST....0717 UTC, 10/4/99.
Flipped on the rig on 30 meters and called QRL a couple times
then CQ. This tone comes on...about 300 cycles/sec...just solid,
not keyed, and stays on for about 2 minutes. I tune the old trusty
Argosy around and it doesn't change at all either in frequency
or magnitude over a 400kc range. At 0321 EDST it's gone.
While it was on I switched all the filters out and varied the
volume with the gain control.
A signal 400kc wide always at the same tone???
Solar flux about 120 and the lady in Hawaii booming in on 10
megs.
I've been hammin' for 45 years and never heard anything like
that.
Anybody else hear the tone or was it just another UFO passing
over? Whew!! Glad they didn't abduct me again!!
73 Pete NV4V vvvvvvv

Date: Mon, 04 Oct 1999 20:13:43 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52164] Re: Baluns and High SWR
Message-ID: <37F87DD7.7C62FD1D@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Daniel Bartlett wrote:

> Recently, I read in an old radio theory book (can't remember which one...),
> that baluns may worsen the SWR in an antenna system

Baluns are a modern invention (relatively). Such a book of necessity must be
described as "recent, modern or contemporary". Old radio books, like my Dad,
had never heard of Baluns.

In your case Dan I'll concede anything pre 1990 is old.

73's

Ian Purdie

VK2TIP "I'll give you the TIP mate"

QRP-L member #1978.

URL - <http://www.integritynet.com.au/~purdic/>

URL - <http://www.qsl.net/vk2tip/>

Date: Mon, 04 Oct 1999 07:43:27 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [52165] Re: VARIABLE BALUN
Message-ID: <37F892DF.F182F26E@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

ARDUJENSKI@aol.com wrote:

> In reviewing information on some crystal radios several months ago I noticed
> the use of the VARIOMETER in lieu of rotory or tapped inductor. (A
> VARIOMETER is , well think of a short cylindrical coil of wire that can turn
> on an axis inside another cylindrical coil that is fixed).
>
> It appears that this could be used as a balun arrangement that was variable.
> Or is the balun a bit more complicated than that?
>
> ANTENNA TUNER: Could the VARIOMETER be employed as a variable inductor in an
> antenna tuner arrangement?
>
> I am eager to drink from this font of wisdom...Thanks in advance for your
> feedback. Alan KB7MBI

Alan,

I was under the impression that a variometer was used to vary the amount of coupling between the two coils, not necessarily the inductance. If I'm wrong, I hope someone will set me straight. It may be a useful thing to have, if so.

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Mon, 4 Oct 1999 14:10:27 +0700
From: "Donny" <dsirait@centrin.net.id>
To: "Low power amateur radio discussion" <qrp-1@Lehigh.EDU>
Subject: [52166] Re: Solder from holes
Message-ID: <199910041145.SAA03134@smtp.centrin.net.id>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: mjfitz@uswest.net
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Solder from holes
> Date: Monday, October 04, 1999 11:51
>
> Hey!
> I never see anyone mention a method I use to remove
> solder from PCB holes... I use solder wick in the normal
> way, except that I invert the board while holding the wick
> to the hole with the iron tip and let the molten solder
> drain (gravity you know) out of the hole and into the wick.
The position must be a bit akward Mike??
Here we use either a desoldering station or a manual desoldering
vacum/suction. Soldering wick is not popular here hi.

Donny YB6LD/1

Date: Mon, 4 Oct 1999 14:25:03 +0700
From: "Donny" <dsirait@centrin.net.id>
To: "Low power amateur radio discussion" <qrp-1@Lehigh.EDU>
Subject: [52167] Re: NJ-QRP offers TT2 kit!
Message-ID: <199910041145.SAA03143@smtp.centrin.net.id>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

.....

> Doug Hendricks, KI6DS and I have been talking about ways to
> provide QRPers all around the world with a very low-cost way
> to join in the TT2 excitement
Great Idea

> The MRX40 & TT2 building contest at Pacificon happening two
> weekends from now will put a whole bunch of TT2's on the
> air,
For simplicity reasons I personally would like to have Dave AD6A
MRX40+TT2 version (with the mods) offered as a kit.

72/73 de Donny YB6LD/1

Date: Mon, 04 Oct 1999 07:47:34 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [52168] Re: Solder from holes
Message-ID: <37F893D6.A25BE679@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

mjfitz@uswest.net wrote:

> I never see anyone mention a method I use to remove
> solder from PCB holes... I use solder wick in the normal
> way, except that I invert the board while holding the wick
> to the hole with the iron tip and let the molten solder
> drain (gravity you know) out of the hole and into the wick.
> There's gotta be a lot of people that do this...Sometimes I
> even quickly add a little solder to start with so it has
> some extra flux and will conduct heat and flow better.
> Always works for me...

Mike,

I know a lot of techs who add a little solder to a joint - especially on
an older piece of equipment - to make it flow better, but I've never
seen the gravity trick used before. Good job! Most of the people I've
worked with would just melt the solder and slap the board gently on the
workbench top to knock the hole clear.

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Mon, 04 Oct 1999 07:55:39 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [52169] Re: Another strange signal
Message-ID: <37F895BB.97BFBCC9@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Pete Burbank wrote:

> Anybody else hear the tone or was it just another UFO passing
> over? Whew!! Glad they didn't abduct me again!!

Pete,

Are you kidding? We're still cleaning up from the last time!

Dave

--
Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Mon, 04 Oct 1999 07:18:05 -0500
From: Michael <moreth@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [52170] AH-100 Links
Message-ID: <37F89AFD.A2B@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Mike N WDM,

The AH-100 is a modified AM/SSB CB radio. Here are a couple of links
which describe the radio and the mod.

<http://www.garlic.com/bills2way/equip/ah100.html>

<http://www.qrz.com/mods/ah100.txt>

Michel, N90GC

Date: Mon, 4 Oct 1999 05:52:08 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [52171] Arkansas QRP Club website - NQ5RP
Message-ID: <19991004125208.14936.rocketmail@web701.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just got our club webpage up last week. Read the latest newsletter, and watch for updates.

<http://www.qsl.net/nq5rp/>

I built it with the free Netscape Composer, have a look. And the free server QSL.NET seems to be alive and well again.

Thanks, Jim KJ5TF AR QRP #2

=====

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Mon, 4 Oct 1999 06:29:42 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [52172] I was QRP before I was a ham!
Message-ID: <19991004132942.3540.rocketmail@web705.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

QSL.NET seems to be alive again today. So I hope to stick with that, and send a check for support.

I've added the Knightlites Milliwatt Holiday CW contest rules, and my favorite links.

See my favorite antennas, the "Tree quad" & how to tune it, & the Vee Square.
Build the 500mW N7KSB CW transmitter, I've got all the plans, and photos for you.
And learn about my alternative energy systems, and how I was QRP before I was a ham!

My mW WAS reports are also up.

TNX, de Jim KJ5TF
<http://www.qsl.net/kj5tf/>
PS, want your own website? I'll help you, its fun.

=====

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Mon, 4 Oct 1999 06:39:26 -0700
From: Dave Barrett <DBarrett@creo.com>
To: "'dlh1009@ritvax.isc.rit.edu'" <dlh1009@ritvax.isc.rit.edu>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52173] RE: Solder from holes
Message-ID: <CE0A40BFE0CDD111A2B800A0C99B83EB02618DF0@msgcreo2.creo.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Morni'n guy's-n-gall's
From a tech of some 35 years here's my 2 cents worth on solder wick.

Firstly and most importantly, its gota be fresh wick....old wick has oxidized !! and wont suck up well at all.

Secondly it must be a fresh piece, don't handle it with oily / greasy fingers, pull it out with your tweezers or pliers, oil stops the wicking action too.

Thirdly, rather than adding solder (wasting solder and the extra wick needed to remove it) just a lick of water soluble flux from a small tip paint brush will "wet" the joint enough to help the old solder "wick" properly into the braid.

Gravity is a novel idea but the surface tension concept should always be

sufficient given the above rules are followed.

Finally, a note on quality of wick used.....ya gets what ya pays fer , cheap wick don't work well at all as its either old stock (oxidized already) or is not flux impregnated.

Happy Suck'in

Dave VE7PCC Vancouver BC Canada

-----Original Message-----

From: David Hinerman [mailto:dlh1009@ritvax.isc.rit.edu]

Sent: Monday, 04 October, 1999 4:48 AM

To: Low Power Amateur Radio Discussion

Subject: Re: Solder from holes

mjfitz@uswest.net wrote:

> I never see anyone mention a method I use to remove
> solder from PCB holes... I use solder wick in the normal
> way, except that I invert the board while holding the wick
> to the hole with the iron tip and let the molten solder
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I know a lot of techs who add a little solder to a joint - especially on an older piece of equipment - to make it flow better, but I've never seen the gravity trick used before. Good job! Most of the people I've worked with would just melt the solder and slap the board gently on the workbench top to knock the hole clear.

Dave

--

Dave Hinerman WD8CIV

Ontario, NY Grid FN13IF

dlh1009@rit.edu

Date: Mon, 4 Oct 1999 08:43:36 -0500

From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>

To: "'Low Power Amateur Radio Discussion'" <grp-1@Lehigh.EDU>

Subject: [52174] RE: Y2K - Taking Advantage

Message-ID: <000201bf0e6e\$75e0ee50\$ef5d6f81@uthscsa.edu>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Wall Street Journal has stated that Y2K is the biggest marketing gimmick of all time. There's no reason that WE can't take advantage of it too, eh?

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Richard Arland
> Sent: Saturday, October 02, 1999 11:44 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Y2K - Taking Advantage
>
>
>
>
>
> >From: "Dennis Payton" <dpayton@fwi.com>
>
> >If you're always having to work at coming up with excuses to
> convince the
> >wife why you need this or that toy, don't forget about Y2K.
> I "had" to buy
> >two solar panels this year "just in case", then I had to buy
> the "official"
> >Y2K emergency radio..... the K2.
>
> Works for me....how do you think I got the 5KW generator down
> stairs and my
> pre-ban AR-15? Don't 'cha just LOVE Y2K?!?!?!?
>
> 73 Rich K7SZ
>
>
> -----
> Get Your Private, Free Email at <http://www.hotmail.com>
>

Date: Mon, 4 Oct 1999 09:45:00 -0400
From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: "qrp-1" <qrp-1@lehigh.edu>

Subject: [52175] club call signs
Message-ID: <004e01bf0e6e\$a7e16060\$6401020a@lsiindustries.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Want to get a "CLUB CALL SIGN" for 'Flying Pigs QRP Club, International'
What is the correct /fastest way to get a club callsign?
With the new FCC-web access, I'm not sure how to do than

Thanks & 72/3

Dieter (DIZ) Gentzow - WB8QYY
Loveland, Ohio
FPqrp#1 QRP-L#1998 10-X#9389 CATT#26 K2#493
<http://w3.one.net/~gentzow/wb8qyy.htm>

Date: Mon, 4 Oct 1999 09:47:50 -0400
From: "ai2q" <ai2q@ispchannel.com>
To: <DBarrett@creo.com>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [52176] Solder sucks
Message-ID: <000801bf0e6f\$178f76e0\$5c32a7d0@ai2q.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A high quality spring-loaded solder sucker is also an excellent tool to have on your bench. In my opinion, nothing beats one for 99 percent of the de-soldering tasks you'll need to perform.

The one I use and recommend is the TechniTool Model 330ED082.

Once you use a good one, you may never use solder wick again.

I also find myself more apt to scroung parts from old circuit boards. BTW: did you realize there are often nicely enclosed low-profile 8-ohm loudspeakers on old modem boards?

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Dave Barrett

Sent: Monday, October 04, 1999 9:39 AM
To: Low Power Amateur Radio Discussion
Subject: RE: Solder from holes

Morni'n guy's-n-gall's

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Happy Suck'in

Dave VE7PCC Vancouver BC Canada

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Subject: Re: Solder from holes

mjfitz@uswest.net wrote:

> I never see anyone mention a method I use to remove
> solder from PCB holes... I use solder wick in the normal
> way, except that I invert the board while holding the wick
> to the hole with the iron tip and let the molten solder
> drain (gravity you know) out of the hole and into the wick.
> There's gotta be a lot of people that do this...Sometimes I
> even quickly add a little solder to start with so it has
> some extra flux and will conduct heat and flow better.
> Always works for me...

Mike,

I know a lot of techs who add a little solder to a joint - especially on an older piece of equipment - to make it flow better, but I've never seen the gravity trick used before. Good job! Most of the people I've worked with would just melt the solder and slap the board gently on the workbench top to knock the hole clear.

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Mon, 4 Oct 1999 07:54:47 -0600
From: "Rod Cerkoney" <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52177] FS: 30M Station
Message-ID: <011301bf0e70\$488a1c40\$a78711d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

When my XYL asked "How many Radios do you have?", I thought the answer was "not many". After cleaning up the shack/basement, I guess I was wrong. ;-). So...

FOR SALE:

OHR100A 30M Rig \$90 shipped conus

My first QRP rig/kit started out as a 20M rig then I converted it to 30M.
Has 10 turn pot for tuning; An extra filter cap to smooth out ripple/noise from a switch pwr supply that I use. I replaced a noise power trimmer with a small cermet, power is smoothly adjustable from 0-6w. Change one cap in the TX mixer to smooth Pout flatness, not more than 1/2W variance across

OHR DD-1 \$60 shipped conus

OHR WM-1 \$50 shipped conus

Bencher RJ Straight Key, Black Base: \$75 shipped conus

Will sell the whole package for \$260 shipped conus

***** LIC UP GRADE SPECIAL *****

TO TAKE ADVANTAGE OF THE OFFER PLEASE PROVIDE SOME REASONABLE UPGRADE PROOF FROM WITHIN THE LAST 6-12 MOS. OR SO.

Date: Mon, 4 Oct 1999 07:30:53 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52178] RE: Solder from holes
Message-ID: <Pine.GS0.4.10.9910040717510.5106-100000@rotor.dri.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I'd like to add just a couple of points.....

I fully agree with the issue of old/cheap solder wick....it's useless! HOWEVER, I have been told that it will work very well if dipped in liquid flux first! I have not tried this yet but it sounds like it just might work!

If someone has some bad/cheap/dirty wick that doesn't work and could try this out and report back to the list we might all learn something!

And second.....I agree with the post about using a GOOD solder sucker. I use one with a trade name of Soldapullt. They cost about \$20 and are well worth it. MUCH more suction than the cheap ones and you can get new tips as needed.

I always put a drop of fresh solder on the old before cleaning the hole but will soon try using a drop of liquid flux! Might work even better.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 4 Oct 1999 10:58:13 -0400
From: "Tom Hybiske" <hybiske@generalatronics.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52179] Re: Solder sucks
Message-ID: <009401bf0e78\$e1e4dd00\$8c68f326@generalatronics.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The tech's and assemblers here at my company had their suckers taken away out of fear of damage to static sensitive parts. They now use solder wick. Seems the burst of air can create a static charge. Granted, we are an ISO

9001 certified company, but it's something to keep in mind if you're at the home bench working on an IC, or the likes.

7 3,
Tom K3GM

> A high quality spring-loaded solder sucker is also an excellent tool to have
> on your bench. In my opinion, nothing beats one for 99 percent of the
> de-soldering tasks you'll need to perform.
>
> The one I use and recommend is the TechniTool Model 330ED082.
>
> Once you use a good one, you may never use solder wick again.
>
> I also find myself more apt to scroung parts from old circuit boards. BTW:
> did you realize there are often nicely enclosed low-profile 8-ohm
> loudspeakers on old modem boards?
>
> Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.
>

Date: Mon, 4 Oct 1999 11:12:48 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <hybiske@generalatronics.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52180] Re: Solder sucks
Message-ID: <072901bf0e7a\$f2627140\$9001a8c0@wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hmm, my solder sucker has a metal body, and I seem to remember something in one of the catalogs about conductive tips, but I don't know if that has to do with static discharge when it's picked up or when it actually is used and sucks.

But I just looked, and I can't find any mention in current catalogs of conductive tips...

Anyone else find anything on it in their catalogs?

Mike

N1DVJ

> The tech's and assemblers here at my company had their suckers taken
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> out of fear of damage to static sensitive parts. They now use solder
wick.
> Seems the burst of air can create a static charge. Granted, we are an
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> 9001 certified company, but it's something to keep in mind if you're
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> home bench working on an IC, or the likes.
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> Tom K3GM
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> > did you realize there are often nicely enclosed low-profile 8-ohm
> > loudspeakers on old modem boards?
> >
> > Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.
> >
>
>
>

Date: Mon, 4 Oct 1999 10:20:29 -0500
From: Karl.Kanalz@optelinc.com
To: ki6ds@dpol.k12.ca.us
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52181] Doublet Antenna(s)
Message-ID: <86256800.0054D346.00@hdqsmtp01.optelinc.com>
Mime-Version: 1.0

Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I think you'll find, Doug, that a "doublet antenna" is the "old-fashioned" expression for an antenna with two elements; i.e. today's DIPOLE.

Most of the "doublet" antennas of yesteryear were somewhat random-length dipoles, usually fed with ladder-line (genuine ladder-line!) and a bodacious tuner.

Karl K - W8TIF
McKinney, Texas
("Old Enough To Remember")

ki6ds@dpol.k12.ca.us (Hendricks, Doug) on 10/01/99 03:38:24 PM

Please respond to ki6ds@dpol.k12.ca.us

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: Can someone tell me?

Can someone give me the definition of a doublet antenna??? Thanks. 72,
Doug

Date: Mon, 4 Oct 1999 08:18:00 -0700
From: Maurice L Haynes <kv7g@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [52182] Need Info on Feather Touch Key
Message-ID: <19991004.081801.-395541.0.kv7g@juno.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

While looking around in my junk box I ran across what appears to be a hand capacity operated paddle. It is in a 2 7/8X4X1 1/2 cabinet. It has a one piece paddle with wire grids on each side and the 2 sides are insulated by a 1/4 inch foam piece. It has a tag on the top that says "Electronic Feather Touch Key", on the bottom is a sticker that says "Data Engineering Inc" Springfield, Va. It contains 2 "C" batteries and has an on/off rotary switch on the back. It has 5 wires coming out of it. Does anyone have a schematic or manual for this thing that could be copied?
Thanks in advance for any help.

Bud - KV7G - Yuma, AZ

Date: Mon, 4 Oct 1999 08:33:37 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>, "Niel Skousen" <skousen@srv.net>
Subject: [52183] Re: Ribbon Cable ladder line!!
Message-ID: <01bf0e7d\$d3c88d20\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Niel, thanks for the reply. I took a sample of your idea to the NorCal meeting yesterday, and it created a lot of interest. Ron Smith (the California one) came with a set of hole punch pliers that you use for paper. They make it a snap to punch out the windows in the line. Mike Gipe came up with the idea of the hole punch, and Ron showed up with them, what a deal!!

Here is what I do to prepare the ribbon cable ladder line. I take the cable and mark off 6", then 1" then 6", etc. until I have the length that I want. Then, I take the punch, and make punches on the 1" spaced lines. I then have a hole, 6" of cable, hole, 1" cable, hole, 6" cable, etc. Next I do exactly as you say, I take an exacto knife and carefully start a cut on either side of the inner conductors and remove the window material, wire and insulation all at once, so I create a "window". Then, I remove the wires in the connecting material left, the 1" pieces. I do this by carefully cutting the insulation back about 1/16" and grabbing it with needle nose pliers.

I use 8 strands of cable though Niel, removing the 6 inner conductors as above. Is there a way that you can add this to your test? I'll make it for you and send it up. Also, I would like to send some with the wire in the

connectors and some with the wire out. IT is a pain to take the wire out.

Some of you may be asking, "Why are they doing this? Ladder line is cheap from the Wireman". Ahhh, but we are hams, and we want to "build" our own. Plus, I am looking for something very, very light, so I don't stress the upper section of my telescoping pole. The side benefit of this if it works will be to back packers. This could be the ideal feed line for back packing ladderline.

Keep up the great work Niel, and we'll keep the list informed. I am in the middle of my NorCal Doublet testing, worked another new state last night, KK7GG, Mike in Oregon. Mike reads the list, and he was using a NC20 and it sounded great. Said my signal was booming into Oregon. Boy is it fun to meet the guys on the list on the air. Guys, get on and operate. 72, Doug, KI6DS

Date: Mon, 4 Oct 1999 08:24:36 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52184] Re: Solder sucks
Message-ID: <Pine.GS0.4.10.9910040808430.5106-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> The tech's and assemblers here at my company had their suckers taken away
> out of fear of damage to static sensitive parts. They now use solder wick.
> Seems the burst of air can create a static charge.

I've seen many things like this over the years. I often think it's a spill over from the clean rooms.

I have never seen anything damaged by static in the years that I've been involved with electronics. Now I know that it CAN happen but in every case where that was the first "excuese" found, it always turned out to be something else wrong!

So while I do know that it's a "real" issue, I do feel that it's overblown....like most other hazard issues in this day and age.

The simple act of touching the ground/chassis before touching the board will handle 99.9% of all the static issues we will ever have with our little home brew TT2's and the like.

The use of a wrist strap is smart when working on something like

those fancy FT1000MP box's! And that includes when you do things like install a filter!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 4 Oct 1999 08:33:33 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Mike Yetsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52185] Re: Solder sucks
Message-ID: <Pine.GS0.4.10.9910040828260.5106-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 4 Oct 1999, Mike Yetsko wrote:

> Hmm, my solder sucker has a metal body, and I seem to remember
> something in one of the catalogs about conductive tips, but I don't
> know if that has to do with static discharge when it's picked up
> or when it actually is used and sucks.
>
> But I just looked, and I can't find any mention in current catalogs
> of conductive tips...
>
> Anyone else find anything on it in their catalogs?

Hi Mike,

Just looked in Techni-Tool and see that both the Soldapullt Deluxe and Soldapullt III Low Static use the same tip but it doesn't say anything about being conductive.

Here is the "picture" I have..... If the tech is wearing a ground strap and holding a conductive sucker, where is any static going??

Seems to me that it'll go to ground and not hurt anything.

Ditto with the Low Static suckers.....they must just be

somewhat conductive and still provide a path to ground.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 4 Oct 1999 08:26:03 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <ARDUJENSKI@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52186] Re: VARIABLE BALUN
Message-ID: <003301bf0e7e\$68717f40\$e3424cd1@k6qq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Please excuse my ignorance and inexperience but reading the BALUN
threads
> over the past several months lead me to wonder why there is no
variable
> baluns available for good match and low losses?

There is! It's called a balanced antenna matching unit.
The best known example is the venerable E.F. Johnson "Matchbox".
They are frequently available via the Internet for less than
\$100. I use one myself.

72,

John, K6QQ

Alturas, CA, at the corner of 299 & 395.

Date: Mon, 4 Oct 1999 09:34:59 -0600
From: Rod Cerkoney <rlc@frii.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52187] MRX RX Source?

Message-ID: <19991004093459.47988@frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Folks:

Where does the MRX RX come from? One of the kit MFRs? A Club? Or is it a limited edition item from NorCal for Pacificon only?

--

72/3 Rod, NØRC
da di dah

Date: Mon, 4 Oct 1999 11:41:45 -0400 (EDT)
From: Joel Malman <malman@world.std.com>
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com
Subject: [52188] QRP Fun Mon and Tuesday
Message-ID: <199910041541.LAA21320@world.std.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Here is two good ways to have QRP fun this week:

=====

1. The ARS Monday night SP. Exchange RST/SPC/PWR. The fun runs from 0100-0300z. Monday night in the USA. Call: CQ SP.

2. Pre Fox Fest on Tuesday night. Exchange RST/SPC/NAME/QRP-L number (or PWR). The fun runs from 0000-0400z. Tuesday night in the USA. Call: CQ FOX.

Both fun events use all the standard QRP calling frequencies, on any band. Everyone works everyone, no restrictions.

You should report your score for the SP to the ARS web site:
www.natworld.com/ars ... No scores to report for the Pre Fox fest.
Now have QRP fun. (Get on the air -- or be square, hehehe)

--

/joel K1QM (Ex-wa1qvm) Concord, Massachusetts
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Mon, 04 Oct 1999 11:46:45 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [52189] Re: Solder sucks
Message-ID: <37F8CBE4.8B04ED23@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Monte Stark wrote:

>
> > The tech's and assemblers here at my company had their suckers taken away
> > out of fear of damage to static sensitive parts. They now use solder wick.
> > Seems the burst of air can create a static charge.
>
> I've seen many things like this over the years. I often think it's
> a spill over from the clean rooms.
>
> I have never seen anything damaged by static in the years that I've
> been involved with electronics. Now I know that it CAN happen but
> in every case where that was the first "excuese" found, it always
> turned out to be something else wrong!

Monte,

Where I used to work, we made some products with CMOS analog circuitry. We did occasionally see things like op-amps that changed characteristics when a board was mis-handled and subjected to static discharge. We also saw some EPROM chips that refused to run in a product, even though they verified 100% against the master EPROMs on a programmer. Again, subjected to ESD.

The worst culprit, however, was freeze mist. One of our bright young engineers wrote a calibration & QA procedure that called for making some adjustments on a circuit, then shooting the components with freeze mist and watching how far the output drifted. First time that process was used in production, we lost about 30 codec chips (combined A/D and D/A converter) to static from the mist. This was in the old days when Freon was king. I don't know what the newer non-CFC coolant sprays do in terms of static generation, but it's worth being careful.

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF

dlh1009@rit.edu

Date: Mon, 04 Oct 1999 15:49:54 +0000
From: Brian Short <bshort@speedchoice.com>
To: qrp-1@lehigh.edu
Subject: [52190] OT Tall Antenna Tales
Message-ID: <4.1.19991004154900.025148e0@mail.phoenix.speedchoice.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Tall Antenna Tales

A local ham friend (K7JAY) recently bought parts of several antennas from a local horse trader (KI7ZZ).

The idea was to take parts of a Mosley PRO-95 and PRO-67 and make a PRO-96 and a PRO-57 (which was sold to W7HSP).

So, now 2 local hams have parts of 2 antennas each.

Next, I (K7ON) got recruited to help install the PRO-96 at my antenna farm after reading a comparison report by N0AX.

K7JAY went with me to the desert one Saturday morning to assemble the PRO-96, but it has now been about 5 or 6 more days and the antenna is still not assembled.

First, it was discovered that the traps had to be re-wound and the inner trap tubing (forming the capacitance) cut. Getting the proper turns/length took a couple weeks of calls to Mosley in addition to actual labor. As I understand it, the traps are all modified.

Then there is the issue of tubing lengths. I ended up donating part of my stash of Texas Tower aluminum tubing to this effort as well as much time looking at Mosley manuals for the PRO-96, PRO-95, and PRO-67.

The antenna is still not assembled and the current estimate by K7JAY is a couple more days of tubing cutting. Since he has over \$1000 invested as well as all of this time, he wants to see it through.

Personally, I would not have touched a Mosley antenna from the

start! Furthermore, the report from Champion Radio and N0AX casts a dark, but dubious, shadow on Mosley antennas.

>From what I have observed, the assembly manuals are quite vague though perhaps adequate for someone assembling one from a new carton. Mosley was contacted repeatedly by email, US Mail, and by phone before helping with the modification (I think I now understand their reluctance to become involved). There is nothing in the way of technical detail in their manuals.

So, at this point, I have KLM monobanders for 15 and 20 ready to go up on the tower to be used for the PRO-96 experiment (which could then be compared to a TH-7 at the same QTH). Should I continue to support this misguided effort?

The questions are:

Does a Mosley PRO-96 even properly assembled work properly?

What is the performance?

Am I missing something or is this far too much expense and effort for what it is worth?

What is Mosley's current reputation? (I had a TA-33 years ago that I liked)

Has anyone else put up a PRO-96 and if so what comments have you?

As I see it, the fellow who bought the "PRO-57" which ironically he is upgrading to a PRO-67 at great expense and the fellow with the "PRO-96" have nothing more than a pile of scrap. Or am I missing something?

Thanks, Brian

--

Brian K. Short <http://www.qsl.net/k7on/> <mailto:k7on@arrl.net>

--

Date: Mon, 4 Oct 1999 10:11:50 -0600
From: Rod Cerkoney <rwc@frii.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52191] WTB: Unbuilt Wilderness NorCal 40A
Message-ID: <19991004101150.239333@frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Folks:

I bought the Rutledge book and want to build another NC40A along with the text. Does anybody have an unbuilt kit in their ToDo-but-I-don't-think-I'll-ever-get-to-it-pile?

--

72/3 Rod, NØRC
da di dah

Date: Mon, 4 Oct 1999 12:16:34 -0400
From: "Hugo Catta" <h.catta@worldnet.att.net>
To: <ianpurdie@integritynet.com.au>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52192] Re: Baluns and High SWR
Message-ID: <004601bf0e83\$d471ddc0\$44dd4e0c@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In the ads section of my 1958 ARRL Handbook, there is a Heathkit balun model B-1 for \$8.95.

Amidon sells balun kits with instructions based on studies and tests from the forties by Guanella and the fifties by Ruthfoff; on current and voltage baluns respectively.

...snip.....

>
> Baluns are a modern invention (relatively). Such a book of necessity must be
> described as "recent, modern or contemporary". Old radio books, like my
Dad,
> had never heard of Baluns.
>
> In your case Dan I'll concede anything pre 1990 is old.
>

Oh, Man! I'm only 43 ... is my daughter right???? How old is your
Dad ? :-[

>
> 73's
>
> Ian Purdie
> VK2TIP "I'll give you the TIP mate"

...snip....

Date: Mon, 04 Oct 1999 09:22:11 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52193] Una-balun, Park setup
Message-ID: <37F8C623.4012@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Speaking of variable baluns, seems I saw an article in one of the ham mags that described a variable balun. Had taps for different impedances. It was wound on a ferrite rod about 6 inches long. Now, all I have to do is find the article! I believe it was called the "Un balun".

Went to the park yesterday to try out the converted cb vertical support mast and my new 50' center fed dipole fed with 300 ohm el cheapo twinlead. Got it to load fb on 40 and 20 but didn't make any qso's. So, went to 10 meters and heard Bob N4BP and NOTU in a qso. I tried calling Steve as he was 2x2x9, barely audible but there. He could not hear me so said Hi to Bob and he went off to get some ZZZ's before work. Been working Bob daily it seems. Anyone else trying 10 meters lately? Get on the band its been real hot!

72, Tom WB5QYT...."Have spud will travel!"

Date: Mon, 04 Oct 1999 12:47:08 EDT
From: Dean W Manley <kh6b@juno.com>
To: qrp-1@Lehigh.EDU
Cc: kh6b@juno.com
Subject: [52194] Re: QRP AM This Weekend
Message-ID: <19991004.064556.5391.1.kh6b@juno.com>

Hi Mike and Aloha Modulation group,

The call sign of Jack KH6CC caught my attention.

A few years back, Jack and I were were active on AM. I'm glad to hear that Jack is still active.

My converted JCPenney Pinto, that I converted to 10m, has receive problems. It was "shelved" during the solar cycle minimum. Maybe it's time to dust it off and start listening 29.000-29.200 again.

Dean KH6B
Hilo Hawaii

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 04 Oct 1999 11:15:11 MDT
From: "Jerry McCollom WOMC" <w0mc@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [52195] Stuff FS: QRP Rig, QRO Rig, 12V Power Pack, 6m Transverter
Message-ID: <19991004171512.50293.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Time to simplify the shack down to my K2 and new QRO rig. I'll offer these here before they go up for bid on that four-letter-word site :-) Add shipping cost from Ft Collins, CO to any of the prices below. Prices are negotiable if I'm out of line.

RedHot 40 from Norcal 20 kit \$125

A 40m version of the Norcal 20 kit built from Dave's instructions on www.redhotradio.com. Covers from around 7025 to 7075. I've installed the 10-turn pot and this has the 40m AFA chip and a TICK-4 chip, blue powder coated case with pretty mountain scene labeling the front (pics available upon request -- I'll have to take them tonight).

Yaesu FT757GXII + FP20HD 20Amp Power Supply \$500

Full coverage transceiver, covers all ham bands w/ 100W adjustable down to QRP levels. AM, FM, SSB, CW; 2 VFOs, 9 memories, computer-controllable.

Also includes the service manual. The sides have some paint scratches, but front panel was recently replaced so it looks really clean on the front. The 20AMP power supply also includes external speaker. It also has a new front panel, but does have a ding on the side. The radio works exceptionally well.

MFJ 4114 Rechargeable Power Pack w/ High Capacity Nicads -- \$110

This comes with the integrated CW station which I have since un-integrated. I was going to keep it, but I primarily use my K2 with the internal battery now. The power pack usually sells for \$70 (battery-less), I put in 12 (!) 4000mAH NiCad D-cells (sells for around \$90). Runs on 120V or on the batteries.

Ten-Tec 6m Transverter \$85

Transverts 20m to 6m, all modes (all available on your transceiver work through the transverter). 20w In -> 8w Out. A simple and easy way to get on 6m.

I'd be glad to negotiate any package deals on these (e.g. power pack + QRP rig, QRP rig + transverter, etc.)

73,

Jerry
W0MC

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 4 Oct 1999 10:30:16 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <rwc@frii.com>
Cc: <qrp-1@lehigh.edu>
Subject: [52196] MRX Receiver Availability
Message-ID: <01bf0e8e\$2018bbe0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rod, good question. The MRX was originally kitted by Steve Bornstein of the Columbus QRP Club, but it is no longer available. Steve has given Fred Reimers at FAR Circuits the rights to the board, and it is available from him for \$4 plus \$1.50 S&H. You will also need a crystal and those are available from me for \$3 ppd.

All of the caps needed are in the NorCal Cap kit, you did buy one of those didn't you? So are the resistors. But if you didn't, here is the information that you will need.

The original construction article is in Summer 1997 QRPP. That is available from me as part of the 1997 reprints for \$15.00 or you can get someone to make you a copy of the article.

Here is the parts list, sources and prices.

Resistors

47 ohm - RS @ \$.10

10K - RS @ \$.10

100K - RS @ \$.10

2 - 10K Pots Mouser #317-2091-100K @\$.98 each

1N4004 diode Mouser # 625-1N4004 @ \$.05 each

4.7uH Choke, Mouser # 43LS476 @ \$.41 each

Note Replaces 5.6uH in original article

15 uH Choke, Mouser # 43LS155 @ \$.41 each

82pF Mono Ceramic NPO Mouser # 581-UEC820J1 @ \$.18 each

150pF Mono Ceramic NPO Mouser # 581-UEC151J1 @ \$.19 each

Note: Replaces 91pF in original article.

270pF Mono Ceramic NPO Mouser # 581-UEC271J1 @ \$.24 each

470pF Mono Ceramic NPO Mouser # 581-UEC471J1 @ \$.24 each

.01 Mono Ceramic Mouser # 581-UEZ103K1 @ \$.18 each

.1 Mono Ceramic Mouser # 581-UEZ104K1 @ \$.41 each

3.3 uF/16V Electrolytic Mouser # 140-XRL16V3.3 @ \$.05 each

22 uF/16V Electrolytic Mouser # 140-XRL16V22 @ \$.05 each

220 uF/16V Electrolytic Mouser # 140-XRL16V220 @ \$.09 each

7.040 or 7.122 Crystal, Doug Hendricks, \$3 each

NE612AN or SA612AN Dan's Small Parts, \$2.75 each

LM380N-8 Dan's Small Parts, \$1.25 each

78L06ACZ Mouser # 511-L78L06ACZ @ \$.28 each

1/8" stereo jack Mouser #161-0125 @ \$.25 each

9V Battery Clip Mouser #123-5004 @ \$.36 each

That should just about do it. The cost for the MRX will be:

\$12.67 for parts

\$4 for board

\$1.50 s&h FAR Circuits

\$4.50 s&h Dan's Small Parts

\$4 s&h Mouser

So, the MRX Receiver will cost you about \$26.67 if you order all of the parts. But, if you have a good junk box you will realize significant savings. One word of caution. The MRX board uses very small lead spacing for the caps, most of them are .1", so you will need to take that into account when ordering parts (the caps above will fit the board).

Ok, there you have it. All of the information needed to kit and build your own MRX Receiver. Remember that the Columbus QRP Club retains the rights to kit this. NorCal obtained permission from Steve Bornstein to do our club kits. If you intend to do this as a local club project, please obtain Steve's permission to reproduce his design. Thanks, Doug, KI6DS

Date: Mon, 04 Oct 1999 13:17:55 EDT
From: charles k brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [52197] N7KSB Experimental Transmitter
Message-ID: <19991004.171609.7495.3.n4so@juno.com>

This was a 1/2 watt transmitter by Lew Smith, N7KSB
Works on 10, 15, or 20 meters by changing the output
filter values/ The supply voltage is 7 to 8 volts. Parts
count is about a dozen with a fundamental crystal (no VX0) Output filter
values are supplied in Table 1.

The circuit uses a 74HC240 octal inverting buffer IC
that contains the oscillator and power amp that runs at
500 milliwatts.

Smith, "Experimental 1/2 watt Transmitter", QST Nov 1994 p. 84

\\\\\\

ARRL propagation bulletin is out with new data for this week -- solar
flux in the 140's, perhaps 150's by the end of the week.

ZB2/W5II Gibraltar 14.024 0001Z worked with NorCal
20 and 5 watts/ 4 element beam.

Ken Brown N4SO
Mobile, AL/EM50tk
NorCal-20/5 watts/4 ele. beam

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 4 Oct 1999 14:35:37 EDT
From: Bigbob97@aol.com
To: QRP-L@lehigh.edu
Subject: [52198] HTX-100 help
Message-ID: <af5fc269.252a4d79@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi All,

Coincidentally, a kind ham sent me the service manual for the Radio Shack HTX100 10 meter SSB and CW rig last month. What do you know? This weekend I discovered that the radio puts out a distorted CW note, low power, and continues transmitting for about a second after the key is released. (as though a capacitor is discharging) SSB is also crummy. I believe that the cause was transmitting into an antenna with an intermittent PL259 about six months ago - but I only discovered the problem Sunday - so I guess it was really those gremlins in the closet that struck once again!

The driver and final appear OK from the voltages listed on the schematic. By the way, if you have one of these - BEWARE - the on/off switch does not disconnect the +12 VDC from the finals! My next theory is that the transistor which controls the ALC or bias and something in that string might be bad. Also, if you have a schematic there is a diode providing feedback to that bias circuit. So, if anyone has been through this before, I would appreciate the benefit of your experience. As always, thanks to all ! 73,

Bob WB2DHK in Jersey City, NJ

Date: Mon, 4 Oct 1999 11:49:57 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [52199] NorCal Meeting Report
Message-ID: <01bf0e99\$41a85800\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It was another good turnout for the NorCal meeting on Sunday. Jerry, didn't make it so no pictures this time, sorry.

The highlight of the day for me was to see an old friend from the east coast, David Maliniak. Dave has made 4 NorCal meetings now, and it is always a delight to see him. He is active in the NJ Club, and an avid qrp'er and builder. Plus the editor of one of the major electronic publications.

Bruce Florip was there and bought the very last NC20 blank case. Sorry, but no more of them will be available from the club. We also had the NorCal Toroid kits and they went fast. Sold 18 of them to guys who had not ordered them previously. We have sold about half of the kits, and they will be available at Pacificon, but they are going fast. The kits are \$25 + \$4 shipping and handling from Jim Cates, 3241 Eastwood Rd., Sacramento, CA 95821.

Eric Swartz and Wayne Burdick were there with the K2 and the SSB adapter. It is supposed to start shipping in 2 weeks. Sounds good on the air. We were making K2 to K2 contacts across the room and then Wayne went out to the parking lot for some real DX. I asked him if he was going to countersink the screws, he grimaced and said no!!! Just kidding Wayne, just kidding.

Dave Fifield, Ron Smith, Vern Wright, Dwight Graham, and Bob Tellefsen all had TT2/MRX kits in various stages of completion. Dave's was done, and he had it set up to work. I worked Dwight across the room, and could tell that he was having fun by the QRO grin on his face. Dave's mods are worth doing. See them on the Red Hot Radio web page, www.redhotradio.com under TT2/MRX Mods. Hope the rest of you building the rigs for Pacificon are coming along ok. Several told me that they have made qsos, so if you have post it to the list, we want to hear about them. Also, let us know how your rig is coming along.

Vern Wright had the prototype of a new antenna he is working on. It is a manual screwdriver, would be great for the K2 or other portable operation. It is only 6' high. Hmmn, maybe he read the rules for the TT2/MRX contest. It is collapsible and will break down and fit in a brief case. He will have it at Pacificon.

Lee Sanford had lots of free knobs to give away, he bought a whole box for \$5!! Thanks Lee, your generosity is appreciated, and Lee is always doing things like this for the group.

Mike Gipe was there also, and I was showing him my sample of the ladder line made from ribbon cable, and he suggested that I use a hand paper punch to make cuts at each end of the window and then just strip the remaining cable between the two cuts out. Brilliant idea. Then Ron Smith, (California one) came up and showed me a neat way to punch holes in tuna cans. He removed

the center guide from a paper punch and uses it to punch holes in the can. Works like a champ, and it puts a nice 1/4" hole in the can. Takes about 30 seconds to punch 4 holes in a tuna can. And it works for Altoids tins too. We know, because we tried it!!

Lots of fun again at the meeting, and everyone is looking forward to Pacificon. See you at the next meeting. 72, Doug, KI6DS

Date: Mon, 4 Oct 1999 14:42:16 -0400
From: "ai2q" <ai2q@ispchannel.com>
To: <Bigbob97@aol.com>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [52200] Exposed transistors
Message-ID: <001d01bf0e98\$381ce9a0\$5c32a7d0@ai2q.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guess what Bob? The final PA transistors in most rice boxes, and some US made gear, are NOT disconnected when you turn off the front panel ON/OFF switches!

If you use these rigs in the mobile, you expose the transistors to transient voltage spiking, especially when you crank your vehicle's starter motor. It doesn't matter that the Power switch is OFF.

For that reason, in my mobile installations I feed 12 Vdc into the rigs through a relay that's controlled by a small toggle switch mounted on the dashboard. The switch (relay) is OFF until the car starts and the voltage regulator does its thing. If you install a voltmeter (preferable an expanded scale type) on your car, you'll see when the system's voltage is stabilized. You won't see the transients however! :-)

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

Date: Mon, 4 Oct 1999 14:07:04 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [52201] RE: Solder from holes
Message-ID: <199910041848.0AA21674@moose.ncia.net>

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> I fully agree with the issue of old/cheap solder wick....it's
> useless! HOWEVER, I have been told that it will work very well
> if dipped in liquid flux first! I have not tried this yet but
> it sounds like it just might work!

>

Yes, this does work.

I bought some cheap wick (\$5.00 for 50 ft roll) It was a new roll,
but in an unsealed package, so the flux had dried out. Thankfully, I
bought a bottle of liquid flux at the same time. I use a "Q" tip to
wipe a little flux on the braid and works FB.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 4 Oct 1999 11:44:57 -0700
From: william h ross <k6mgo@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [52202] computer cable
Message-ID: <19991004.114852.-261269.1.k6mgo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

ATTENTION KMART SHOPPERS!

(Always wanted to say that.)

Now that I have your attention,

My new All Electronics Catalog has 100 ft of 8 conductor ribbon cable,
#28 wire, for \$3.00

Sounds like a good deal to me.

See page 45

73

Bill, K6MGO

Date: Mon, 4 Oct 1999 15:12:12 -0400
From: "Tom Hybiske" <hybiske@generalatronics.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52203] Re: Solder suckers--Clarification

Message-ID: <004c01bf0e9c\$5d412260\$8c68f326@generalatronics.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Tom Hybiske <hybiske@generalatronics.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, October 04, 1999 10:58 AM
Subject: Re: Solder sucks

> The tech's and assemblers here at my company had their suckers taken away
> out of fear of damage to static sensitive parts. They now use solder
wick.
> Seems the burst of air can create a static charge. Granted, we are an ISO
> 9001 certified company, but it's something to keep in mind if you're at
the
> home bench working on an IC, or the likes.
>
> 7 3,
> Tom K3GM
>

I got a little more info on the solder suckers. It's not the burst of air,
but rather the action of the piston moving inside the plastic cylinder that
creates the charge. There are now suckers available with graphite
components that reduce or eliminate this problem, however my company still
uses the wick. Sorry for the erroneous data.

Tom K3GM

Date: Mon, 04 Oct 1999 15:13:44 -0400
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [52204] California QSO party results
Message-ID: <v03110708b41ea981749e@[132.235.81.85]>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Hi gang,

Boy was sunday afternoon fun! I was running my HR-2900 10 meter
all-mode and just happened upon the CA qso party. Probably 25 watts SSB...

10 was in great shape! I was able to work quite a few new counties.

Now, following the less-is-better principle, I turned my Tentec Scout to a little less than 1 watt (SSB) and went into action! 15 meters was my first band of choice and was able to work who I could hear in the qso party. Some of the guys I chatted with were stunned that I was able to be so readable at that power level. It was cooooool....

20 meters was another thing... lotsa stations were on and I had to work for those Q's.

Total Q's? 50 of 'em, and maybe 20 or so counties. Loved it!

```
***** Amateur Radio *****
*                                     <><                                     *
*   NN   N  SSSSSSS 8888888 0000000 Greg Weinfurtner                      *
*   N N   N  S      8    8 0    0 9411 Kitty Ln.                          *
*   N N   N  SSSSSSS 8888888 0    0 Athens, Ohio 45701                    *
*   N   N N      S 8    8 0    0 U.S.A.   EM89WH                         *
*   N    NN  SSSSSSS 8888888 0000000 DXCC WAS                            *
*                                                                 *
*   "Can thou send forth lightnings that they may go and say             *
*   unto thee, 'Here we are'?" Job 38:35                                  *
*                                                                 *
*                               ns8o@qsl.net                               *
*   http://www.qsl.net/ns8o/index.html                                   *
*****
```

Date: Mon, 4 Oct 1999 15:24:06 -0400
From: "Richard Hensel" <rrhensel@sprintmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52205] RE: Exposed transistors
Message-ID: <000701bf0e9e\$06abd790\$0317e590@nosrrhensel>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Even better, I have automated the switch on process using a 555 timer. The timer starts timing from the accessory +12 (which is off during the crank cycle) and pulls the relay up 10-12 seconds after the engine starts.

This way I don't have to remember to turn the switch off and on, and still have protection for the mobile rig. And by the time it turns on the rig all of the voltages should be nominal.

Richard Hensel
SPRINT
rrhensel@sprintmail.com
n8wlc@arrl.net

When you have a hammer in your hand ...
The whole world looks like a nail.

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of ai2q
Sent: Monday, October 04, 1999 2:42 PM
To: Low Power Amateur Radio Discussion
Subject: Exposed transistors

Guess what Bob? The final PA transistors in most rice boxes, and some US made gear, are NOT disconnected when you turn off the front panel ON/OFF switches!

If you use these rigs in the mobile, you expose the transistors to transient voltage spiking, especially when you crank your vehicle's starter motor. It doesn't matter that the Power switch is OFF.

For that reason, in my mobile installations I feed 12 Vdc into the rigs through a relay that's controlled by a small toggle switch mounted on the dashboard. The switch (relay) is OFF until the car starts and the voltage regulator does its thing. If you install a voltmeter (preferable an expanded scale type) on your car, you'll see when the system's voltage is stabilized. You won't see the transients however! :-)

Vy 73, AI2Q, Alex in Kennebunk, Maine .-.-.

Date: Mon, 4 Oct 1999 13:14:45 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [52206] Pacificon Speaker #2, Dick Pascoe, G0BPS
Message-ID: <01bf0ea5\$1a2fdbcb0\$630a0d0a@doug.dpol.k12.ca.us>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dick Pascoe, G0BPS is the representative from England this year for Pacificon. He is well known among qrpers world wide from his connection with Kanga, one of the first big kit companies on the QRP scene. Dick sold the company earlier this year, and it is still going strong. I was thrilled to be inducted with Dick into the QRP Hall of Fame a few years ago. Dick's election to the QRP Hall of Fame was an honor richly deserved. He has done many, many things for qrpers through the years including running Kanga, writing QRP columns for major British ham radio magazines, writing the SSB column for Sprat, developing new products for Kanga and QRPers, and even authoring the first two books to be published in the UK on Qrp. Dick also has attended Dayton for years (at his own expense by the way) and helped to man the G-QRP Club stand (British for booth) at Dayton.

I first met him at the G-QRP Club stand, and was amazed at how attractive the booth was, Union Jacks everywhere, literally dozens of exquisite home brewed projects, many of them built by Dick himself. We became fast friends, and he invited my wife and I to visit him at his home in England. JoAnne and I were able to take him up on his offer in 1997 as we traveled to England for our first overseas trip. The first place that we went was to Folkestone to visit Dick and his lovely wife Daphne, (who is a wonderful cook by the way) at their home which overlooks the English Channel and has a clear view of Europe, literally. JoAnne and I will never forget the wonderful hospitality shown to us by Dick and Daphne.

Dick is going to speak on the history of QRP in Europe, specifically England. He will tell us what it is like to be a QRPer in England, and how different it is in the UK than here in the U.S. Dick will also give us the "real story" on the oldest QRP Club in the World, and the Oldest active QRP Club. I have heard him speak many times at Dayton, and have enjoyed his presentations immensely. The thing that will happen during his talk is that you will hear a lot of laughter and see a lot of smiles. People will have fun! Dick will be available Friday and Saturday nights at the NorCal Qrp Hospitality room in the Sheraton Hotel and would love to visit and meet with all of you. He will be one of the guys with the funny accent, I will be the other. His is British, mine is Kansas.

Pacificon is going to be a lot of fun this year. We have included new things and kept some of the old. We have a hospitality room both nights this year, Friday and Saturday, and we have a special Fox Hunt planned for Friday night featuring Mike Gipe, K1MG as the Fox and the hounds will all be using TT2/MRX rigs built especially for the occasion. It should be a riot. Friday night a no host dinner is planned for Fuddrucker's Hamburger Emporium at 6:00. We will meet in the lobby of the hotel at 5:45 if you need a ride.

Then at 7:30 or so we will return for the open house and the Fox hunt at 8:00. Paul Harden and Darrel Jones will be lugging a whole bunch of test equipment to the room both nights and will give troubleshooting demos. IF you have a rig with a problem, bring it along, and they will put it on the equipment and see if they can help you.

Saturday is the big day. All 6 QRP Forums are on the agenda starting at 9:00 AM. and running hourly at 10:00, 11:00 a 1 hour break for lunch at 12:00 and then right back in the forums at 1, 2, and 3 oclock. Then we'll take a break from 4 until 7 PM when the QRP Hospitality room opens again. And the big event Saturday night will be the judging of the 2N2/40 building contest and the Regen Building contest. Beautiful Plaques will be award to the first three places in both divisions. These plaques feature a full color NorCal Logo on them and were custom made for this event. Paul and Darrel will again have their test equipment set up.

And, we have lots of QRP Vendors this year, so bring some money, grin. Here is a list of who will be there that I know of so far:

Gary Diana, N2JGU, Embedded Research, TiCK Keyers, EPS Power Supplies
Joe Everhart, N2CX, Gusher Antennas
Sam Imai, Lake Perris Qrp Society, Lake Perris Antenna Kits
Lee Sanford, QRP Parts
Brian Kassel, Bob and Bertie Hightower, Arizona ScQRPions, 2N2/40 Boards
Jerry Parker, NorCal & Zombie T-Shirts
Paul Harden, Elmer 101 & 2N2/40 issues, Databooks
Doug Hauff, Doug Hauff Keys
Jay Bromley, Fort Smith QRP Club, VE3DNL Marker Generator Kits
Jim Stafford, North Georgia QRP Club, North Georgia Qrp items and ARCI items.
RICHard Stamile, Long Island Mercury Paddles
NorCal QRP Club, Toroid Kits, 98 Back Issues, 7.040 & 7.122 crystals
Dave Fifield, Red Hot Radio, RHR NC20 and the new RHR Red Hot 40 + Surprise!!
Eric Swartz and Wayne Burdick, Elecraft, K2
Bob Dyer, Wilderness Radio, Sierra, NC40A, SST, KC1, KC2 Wilderness accessories
Mike Gipe, Blue Sky Engineering Counter/Clock Kits.

Plus, we will have 300 compendiums to give away to the attendees as a gift from Jim and I to those who attend the event. It is our way of saying thank you for all of the support that we get from QRPers. Don't forget there is no charge for the QRP events by NorCal. The host club, Mt. Diablo Amateur Radio Club, does charge a \$5 advance, \$8 at the door fee for the convention.

Rooms are available at a special reduced rate at the Sheraton Hotel. It is a first class hotel, and the rooms are very nice. Contact Sheraton Hotel,

Concord, CA for more information. Plus, don't forget to preregister with Jerry Parker for your special limited edition name and callsign badge. Send Jerry a message at jparker@fix.net to get on the list. He'll have your badge for you at Pacificon, and at no charge.

Jim and I are looking forward to seeing you at the Party.

Date: Mon, 4 Oct 1999 16:23:12 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-l@lehigh.edu
Subject: [52207] Re: ESD Solder suckers
Message-ID: <[v03102803b41eb8e74e46@\[152.15.144.71\]](mailto:v03102803b41eb8e74e46@[152.15.144.71])>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At my previous job, we used the ESD approved Solda-Pult, aka solder sucker. They have a "chrome" body instead of the more common blue, and have a black tip rather than the white tip. Supposedly they are ESD safe. I was never able to determine a field failure was due to re-work with a Solda-Pult so who knows.

Personally, I find solder wick and the heat needed to use it properly, damages boards more often than a Solda-Pult. Just my observation from lots of component level repair work. Your mileage may vary.

My favorite desoldering tool goes by the nickname "Cow". They are the ones with a built-in vacuum pump and "Mooooo" when you use them. Tech-America or someone like that calls them a "Goooot". They are pricey, \$300 or more, but well worth it.

I did have to use my blue solder sucker on a resistor in my K2. It worked fine and so does the K2.

72,

Rick kf4ar

Date: Mon, 04 Oct 1999 16:35:11 -0400
From: Frank Alwine <n1gpy@together.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [52208] FS: Unbuilt NC-20 Kit

Message-ID: <37F90F7F.89DDFA5E@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FOR SALE:

Unbuilt NorCal NC-20 20M tranceiver kit, \$100 + shipping.

Reply to n1gpy@together.net

Thanks es 72/73, Frank KT1VT

Date: Mon, 4 Oct 1999 15:37:54 -0500
From: "Mark Hogan" <mhogan@email.msn.com>
To: "QRP LIST" <qrp-l@Lehigh.EDU>
Cc: "Dan Presley" <talljazz@teleport.com>
Subject: [52209] Weights
Message-ID: <012101bf0ea8\$902c7330\$6ae60181@mhoganws>

Anyone know how much a Johnson Speed-x Bug weighs?
I've got no scale and the Sprint is tonight, (if the boss will let me alone I'm gonna try to play). I dont know if my SST, MFJ Qrp tuner the Bug and the 8 c-cells is in the tubby div or what, not that it matters, you have to make a contact first... :)

I'll be better off next month when I've got the rainbow tuner up and running, (Thanks Dan it came Saturday, btw you did a very nice job populating the board, thanks)

Mark Hogan
N50BC

Date: Mon, 04 Oct 1999 14:01:19 -0700
From: Allan G Taylor <k7gt@arrl.net>
To: qrp-l@lehigh.edu
Subject: [52210] TT2/MRX troubles
Message-ID: <37F9159F.6E47@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My TunaTin2 didn't leap into life when I finished it last week. Before I dive into troubleshooting mode, I would like to ask if it would be reasonable to substitute a R/S MPS2222A (plastic case) for the 2N2222A (metal case) provided, at least for the oscillator stage, as a debugging ploy. Similarly, would substituting a 78L08 for the 78L06 do any damage? I have no 6V regs but several 8V units.

I prefer an off-line private reply. TNX!

OBTW: the 50 ohm dummy load works fine.

Allan K7GT

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                               | /Z | \
      Allan Taylor K7GT          /| /599| \      k7gt@arrl.net
Pleasanton CA CM97aq         /_||/____|__\_ http://www.qsl.net/k7gt
...QRO, QRP, or barefoot..... [\-----/
~~~~~
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Date: Mon, 04 Oct 1999 16:58:18 -0500
From: K10J <k10j@ditdit.com>
To: QRP-L Discussion <qrp-l@Lehigh.EDU>
Subject: [52211] Spartan Sprint
Message-ID: <006801bf0eb3\$91896a20\$3cb83ed8@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Howdy All...

I am looking for the rules, i.e.: bands, exchange, etc., for the sprint tonight. I do not see them on the ARS web pages. Anyone know?

OJ---K10J

dit dit

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Date: Mon, 4 Oct 1999 18:05:37 -0400
From: wd4et@juno.com

To: qrp-1@Lehigh.EDU
Subject: [52212] Re: Solder suckers/static
Message-ID: <19991004.181641.-358877.0.wd4et@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Someone else mentioned that static was an overblown issue. I agree to a point. Here in Florida with high humidities and usually warm temperatures, it is less of a problem. However, on cold dry days, merely moving in a chair can generate sparks.

With CMOS IC's, a very small charge can damage a junction. It is just plain worth the effort to guard against static. The problems can be insidious and intermittent, not just outright failures.

If you ever want to witness a static charge, touch a good ground before picking up an LCD still new in the package. Run your finger accross the face of the display. While still wrapped in the packaging and embedded in static free foam, it will ususally generate a display. Food for thought.

Just my 2 cents and probably not worth that much!

73, Jeff

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End of QRP-L Digest 1598

